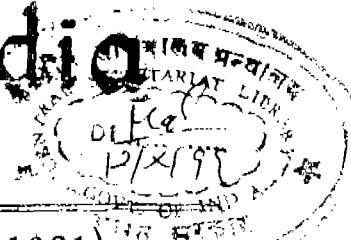




# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 36] नई दिल्ली, शनिवार, सितम्बर 4, 1999 (भाद्रपद 13, 1921)  
No. 36] NEW DELHI, SATURDAY, SEPTEMBER 4, 1999 (BHADRA 13, 1921)

इस भाग में भिन्न पुष्ट संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—छण्ट 2 (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस।  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 04th September 1999

#### ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Mumbai, Delhi and Chennai having territorial jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, IIrd Floor,  
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The States of Gujarat,  
Maharashtra, Madhya Pradesh and  
Goa and the Union Territories of Daman and  
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".  
Phone No. 4825092  
Fax No. 022 4950 622

Patent Office Branch,  
Unit No. 401 to 405, IIrd Floor,  
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Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

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Telegraphic address "PATENTOFIC"  
Phone No. 578 2532  
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Wing 'C' (C4, A),  
IIrd Floor, Rajaji Bhavan, Besant Nagar,  
Chennai-600 090.

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Karnataka, Kerala, Tamilnadu and  
Pondicherry and the Union  
Territories of Laccadive, Minicoy  
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"  
Phone No. 490 1495  
Fax No. 044 490 1492

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floors, 234/4, Acharya Jagadish  
bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"  
Phone No. 2474401  
Fax No. 033 247 3851

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All applications, notices, statements or other documents  
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Fees.—The fees may either be paid in cash or may be  
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पेटेंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता, दिनांक 4 सितम्बर 1999

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार  
स्थान मुख्य है, दिल्ली एवं चेन्नई में इसके शास्त्र कार्यालय हैं, जिनके प्राधीनिक क्षेत्राधिकार जाति के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्र, टॉडी इस्टेंट,  
तीसरा तल, सौबहर परले (प.),  
भूम्भई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोआ राज्य क्षेत्र एवं मध्य  
शासित क्षेत्र, दमन तथा दोब एवं  
धावर और नगर हुक्मनी ।

तार पता - "पेटेंटफिल्स"  
फॉन 4825092 फैक्स : 022 4950 622

पेटेंट कार्यालय शास्त्र,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती भार्ग, कर्णल बाग,  
नई चिल्डी-110 005 ।  
हरिहरण, हिमाचल प्रदेश, अस्म.  
तथा कर्मीर, पंजाब, राजस्थान.  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र अंडमान ।

तार पता - "पेटेंटफिल्स"  
फॉन : 578 2532 फैक्स : 011 576 6204

#### SPECIAL NOTICE

The qualifying examination as prescribed under clause (c) (ii) of sub-section (1) of Section 126 of the Patents Act, 1970 read with Rule 95 of the Patents Rules, 1972 will be held at the Patent Office, Calcutta and its branch office at Mumbai, Chennai and New Delhi on Tuesday, the 16th November, 1999 and Wednesday, the 17th November, 1999.

The schedule of the qualifying examination (written) will be held as follows :

16th November, 1999

#### Paper I :

Patents Acts & Rules  
(11.00 a.m. to 1.30 p.m.)

#### Paper II :

Drafting and interpretation of Patent Specification and other documents.  
(2.30 p.m. to 5.00 p.m.)

The VIVA VOCE Examination will be held on Wednesday, the 17th November, 1999 at 11.00 a.m.

पेटेंट कार्यालय शास्त्र,  
पिंग "सी" (सी-4, ए),  
तीसरा तल, राजार्जी भवन,  
बायन्स नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडू  
तथा पाञ्जाबीरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्ष्मीपुर, मिनिकाय  
तथा एमिनिदित्र इचीप ।

तार पता - "पेटेंटफिल्स"

फॉन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रभान कार्यालय),  
मिजाम पैलेस, विवादीय बहुतरीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस भार्ग,  
कलकत्ता-700 020 ।

भारत का अवधीन क्षेत्र ।

तार पता - "पेटेंट्स"

फॉन : 2474401 फैक्स : 033 247 3851

पेटेंट कार्यालय के कलकत्ता स्थित प्रधान कार्यालय पेटेंट  
संघों संधि के अधीन अन्तरराष्ट्रीय अधिकारों के लिए रिसीविंग  
कार्यालय, इंकॉर्टेड कार्यालय व ड्रॉसमेटेड कार्यालय हैं ।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1990 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अधिकृत सभी आवेदन, संचालन, विवरण या अन्य वस्तुओं या कोई  
किस पेटेंट कार्यालय के केवल सम्बन्धित कार्यालय में ही प्रहण  
किये जायेंगे ।

शुल्क : शुल्कों की अवधारणी या तो नकद की जाएगी अथवा  
जहां उपयोक्ता कार्यालय अवैस्थित है, उस स्थान के अनुसूचित  
शुल्क से नियंत्रक द्वारा भगतार गंगा द्वारा ड्रॉफ्ट अधिकारी के द्वारा  
दी जा सकती है ।

#### CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Section-2 dated 07th May, 1999 notified on 05th June, 1999 delete the Patent No. 181275 (36/Mas/93) which was inadvertently sealed.

In the Gazette of India, Part-III, Section-2 dated 8th May, 1999 In Page-456, Col.-1 read Patent Application No. "86/Del/94" (182571) instead of "86/Cal/94".

Under the heading "PATENT SEALED" in the Gazette of India, Part-III Section-2 dated 16th July, 1999 notified on 14th August, 1999 read the Patent No. 181623 instead of 181622 which was inadvertently sealed.

#### APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE

234/4, Acharya Jagadish Bose Road, Calcutta-700 020

The dates shown in the crescent brackets are the dates claimed under section 135, under Patent Act, 1970.

12-07-1999

617/Cal/99. Shri Ashok Kumar Sah. "Real power increasing machine".

618/Cal/99. Samsung Electronics Co. Ltd., "Channel communication device and method for mobile station in asynchronous CDMA communication system". (Convention No. 28060/1998 on 11-7-98 in Korea).

619/Cal/99. Rieter Elitex A. S., "A spinning unit of an open end spinning machine" (Convention No. PV2378-98 on 28-7-98 in CZECH Republic).

620/Cal/99. PPG Industries Inc., "A sizing composition for glass fibers".

621/Cal/99. Lee Jong-Wan, "Power transmission mechanism using metal belts" (Convention No. 98-28843 on 16-7-98 in Republic of Korea).

622/Cal/99. Instytut Ciezkiej Syntezy Organicznej Blachownia; Kiedlik Maciej; Kaledkowska Małgorzata; Pokorska Zofia; Rdesinskaewik Teresa; Majchrzak Maria; Matyja Stanislaw; Kolt Jozef; Rzodeczko Anna; Mroz Jerzy; Smolnik Ryszard; "Method for obtaining bisphenol A". (Convention No. P-332879; on 27-4-99; in Poland).

13-07-1999

623/Cal/99. Samsung Electronics Co. Ltd., "power control device and method for reverse link common channel in mobile communication system" (Convention No. 28238/1998 on 13-7-98 & 32351/1998 on 5-8-98 in Korea).

624/Cal/99. Braunschweigische Maschinen Bauanstalt AG. "Method of extracting sugar from sugar cane". (Convention No. 19837958.7 on 21-8-98 in Germany).

625/Cal/99. American Cyanamid Company, "Acaricidal and insecticidal substituted pyrimidines". (Convention No. 09/115,309 on 14-7-98 in U.S.A.).

626/Cal/99. American Cyanamid Company, "A process for the preparation of acaricidal and insecticidal substituted pyrimidines" (Convention No. 09/115,309 on 14-7-98 in U.S.A.).

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE, BRANCH, AT TODI ESTATE IIIrd FLOOR SUN-MILL COMPOUND, LOWER PAREL, (WEST, MUMBAI-13).

1-04-99

244/Bom/99. Dasharath Baburao Chavan, "The process and the plant thereof, for manner as of manufacturing new product of mosquito mat holder night lamp of lighting systems industry".

245/Bom/99. Dasharath Baburao Chavan, "The process and the plant, thereof for, manner of manufacturing, a new product of dry cell separator with disconnecting both side switch system for dry cell torch & dry cell electric equipments of electrical industry".

246/Bom/99. Garware-Wall Ropes Ltd., "A process and product of making a light-weight trolley".

247/Bom/99. The Bombay Textile Research Association, "Vapour Recovery System for thin kerosene vapours expelled to the atmosphere during textile printing".

248/Bom/99. Cipla Limited, "Composition for the effective treatment of Mycoses".

249/Bom/99. L'Amar International Pvt. Ltd., "Composition for the treatment of burns, cuts and like wounds".

250/Bom/99. Surendra Jeet Singh Sandhu, "Rotary Combustion engine mechanism".

251/Bom/99. Mcendale Eknath Parshuram, "Improvement of the existing sight screen in the game of cricket".

252/Bom/99. Tatsuno Corporation, Japan priority dt. 20-4-98, "Apparatus for supplying an oil-fuel mixture".

253/Bom/99. Dr. Girish Vinayak Vaze, "A digital/analog encode-able paper/plastic business card".

5-4-1999

254/Bom/99. Hindustan Lever Ltd., U.S.A. Priority dated 23-4-98, "Skin care cosmetic compositions containing branched fatty alcohols".

255/Bom/99. Hindustan Lever Ltd. U.S.A. Priority dated 9-6-98, "Conditioning cosmetic cleanser compositions".

256/Bom/99. Sucker-Mulleri-Hacobi GmbH & Co. Germany Priority dated 15-4-98, "Yarn braking/tension device".

257/Bom/99. Rajan V. Gupte, "A method for the construction of mechanised vehicle parking lots".

258/Bom/99. Kopran Ltd. "A method of improving the quality of phenyl acetic acid recovered from aqueous stream of 6-amino penicillanic acid manufacturing".

259/Bom/99. Indian Oil Corporation, "A catalytic converter".

6-4-1999

260/Bom/99. Gajanan Ramchandra Sapre, "A process for production of improved temperature sensitive seals, and labels and packages".

7-4-1999

261/Bom/99. Dasharath Baburao Chavan, "New ways of electricity generation of power generation industry".

8-4-1999

262/Bom/99. Ahmedabad Textile Industry's Research Association, "An apparatus for carrying out singeing of a yarn sheet and a method for obtaining signed yarn sheet with the apparatus".

263/Bom/99. Hindustan Lever Ltd. U. K. Priority dated 20-4-98, "Shampoo compositions".

264/Bom/99. Howazat Private Limited, "Howazat cricket board game".

9-4-1999

265/Bom/99. Dr. Chandrakant Dnyandev Lokhande and Mr. Rajaram Sakharam Mane, "A process of forming chemically deposited salenide layers".

266/Bom/99. Dr. Chandrakant Dnyandev Lokhande & Mr. Rajaram Sakharam Mane, "A process for the deposition of Bi<sub>2</sub>Se<sub>3</sub> and Sb<sub>2</sub>Se<sub>3</sub> thin films from the aqueous solutions".

267/Bom/99. Dr. Chandrakant Dnyandev Lokhande & Mr. Rajaram Sakharam Mane, "A chemical method for preparation of Bi<sub>2</sub>S<sub>3</sub> and Sb<sub>2</sub>S<sub>3</sub> thin films on glass substrates".

12-4-1999

268/Bom/99. Agharkar Research Institute, "Microbial process for production of a fibrinolytic enzyme (Actinokinase) using a thermophilic streptomyces megasporus strain SD5, its mutants and variants".

269/Bom/99. R. Balachander, "Converting natural sea water into medicinal drinking water by aerating it with natural air".

13-4-1999

270/Bom/99. Mahindra & Mahindra Ltd. "Hydro mechanical servo valve".  
 271/Bom/99. Dhruv Varma. "An electronic multipoint digital control unit for use in a consumer/industrial product".

15-4-1999

272/Bom/99. Sameer. "Neonatal care system for rural application".  
 273/Bom/99. Raghuvir Singh Hada. "For fixed blades power generator".  
 274/Bom/99. Mr. Kishor Mehta. "Mineral called Distemaceous Earth which can be used as an insecticide, (pesticide) and also for preservation of food grains".  
 275/Bom/99. Mr. Kishor Mehta. "Mineral called Diatomaceous Earth which can be used as an insecticide, (pesticide) and also for preservation of food grains".  
 276/Bom/99. Brenna, James. "For Stackable Pallet".  
 277/Bom/99. Ezy Slide Fastners Ltd. "An improved Polyester Zipper".

278/Bom/99. Mr. Chandrakant Meghji Savla, Smt. Lilavanti Chandrakant Savla, Mrs. Beena Dilip Gala, Mr. Laxmichand Meghji Savla, Mrs. Hemlata Devchand Gala, Master Vicky Meghji Savla. "An improved Inflatable Decorative Play ball and article for advertisement".

279/Bom/99. Kopram Ltd. "A process for the preparation of stable immobilised penicillin amidase biocatalyst".

16-6-1999

280/Bom/99. Dasharath Baburao Chavan. "New ayurvedic proprietary medicine product and process and the plant thereof for corn-disease (Bhavri, kurup) of drug (pharmaceutical) industry".  
 281/Bom/99. Dasharath Baburao Chavan. "A new ayurvedic proprietary medicine product and process and the plant thereof for corn-disease (Bhavri, kurup), of drug (pharmaceutical) industry".  
 282/Bom/99. Yashwant Gopal Ghaisas. "Improvement in spray booth for powder coating".  
 283/Bom/99. Yashwant Gopal Ghaisas. "Improved powder pump".  
 284/Bom/99. Yashwant Gopal Ghaisas. "Improved sieving".  
 285/Bom/99. Yashwant Gopal Ghaisas. "Improved powder coating gun control".

286/Bom/99. Precision Gears Ltd. "Improvements in conveyor device for conveying of formed, filled and sealed blister web in intermittent blister packing machine".

287/Bom/99. Winter CVD-Technik GmbH Germany priority dt. 23-4-98. "For Gem stone (portraitt)".  
 288/Bom/99. Mr. Anantrai Prataprai Jani, Mr. Shishir Anantrai Jani, Mr. Kartik Anantrai Jani. "An improved process for manufacturing solidified fuel made from ethanol and/or methanol".

19-4-1999

289/Bom/99. Shishir Balkrishna Nevatia. "Rubber Moulds, methods of their manufacture and their use in methods of manufacturing moulding castings, and articles which are moulded or cast".  
 290/Bom/99. Mr. Ajay Ranka. "A method of dyeing anionic materials with pigment colours having a net cationic charge using a padding process".

291/Bom/99. Khopkar Rahul Vijaykumar. "Dental/Mouth/Mouth-Parts cleaning apparatus".

292/Bom/99. Khopkar Rahul Vijaykumar. "A process for Tanning/Curing (Salting/preserving) and an apparatus for the same".

293/Bom/99. Banner Pharmacaps Inc. "For softlets".

21-4-1999

294/Bom/99. Cipla Ltd. "Process for the manufacture of salbutamol sulphate".  
 295/Bom/99. Andrew Corporation, USA priority dt. 18-5-98. "Weather-proofing method and apparatus for components such as cable connectors".  
 296/Bom/99. Ravindra Ratnakar Pathak. "An improved food processors for peeling of the outer cover of vegetables and fruits".  
 297/Bom/99. Satinderpal Singh. "An improved Jet spray attachment on commode for cleaning the back after a passout".  
 298/Bom/99. Sarang Lonkar. "A language laboratory cassette recorder".  
 299/Bom/99. Gujarat State Fertilizers & Chemicals Ltd. "A process for the recovery of arsenic trioxide from arsenic sludge".

22-4-1999

300/Bom/99. Vidyut Metallics Limited. "A razor blade assembly".  
 301/Bom/99. Institute for Plasma Research. "An apparatus and process for thermochemical diffusion on the surface of the substrate".  
 302/Bom/99. Institute for Plasma Research. "An apparatus for forming an antireflection coating on a substrate and process thereof".  
 303/Bom/99. Institute for Plasma Research. "Plasma polymer Coating on Substrate".  
 304/Bom/99. Institute for Plasma Research. "An Apparatus and process for forming a DC-Glow discharge at low pressures".

23-4-1999

305/Bom/99. Shamsunder Jamnadas Chabria. "For Non-Degrading waterproofing process".  
 306/Bom/99. Vishnukumar Mahadeo Kulkarni. "A process to make biocide composition for rapid action in sugar cane Juice".  
 307/Bom/99. United Phosphorous Limited. "Enhancement of fungicidal activity of a synergistic combination of carberdizim and mancozeb containing a stabilising dye".

26-4-1999

308/Bom/99. Hindustan Lever Ltd. "Washing device".  
 309/Bom/99. Abdul Salaam. "Calcination of flue gases as Nitrogenous fertilizers".  
 310/Bom/99. Abdul Salaam. "Direct injection of flue gases as nitrogenous fertilizer".  
 311/Bom/99. Abdul Salaam. "Device for fixation of nitrogen".  
 312/Bom/99. Sudarshan Madhoprasad Saraf. "An improved drum closer".  
 313/Bom/99. Sudarshan Madhoprasad Saraf. "A octagonal drum top".  
 314/Bom/99. Sudarshan Madhoprasad Saraf. "A multipurpose machine for internal & external thread forming and section cuttings".  
 315/Bom/99. Anil Kumar Maurya. "A device used for cleaning of unused carpets".

28-4-1999

316/Bom/99. M. D. Agrawal. "Two-In-One (Memory Playing Cards)".

317/Bom/99. Rameshbhai Amritlal Patel (HUF). "Phase Circuit Blinker Switch".

318/Bom/99. Rameshbhai Amritlal Patel (HUF). "New 3 Point Pin-Top used as an Electrical Accessory for Domestic and other Purposes".

319/Bom/99. M/s. I. B. Chemicals Pharmaceuticals Ltd. A process for the preparation of 3-ethyl-5-methyl-2-[2-aminoethoxy]methyl]-4-(2-chlorophenyl)-1,4-dihydro-2-methyl-3-pyridine dicarboxylate monobenzenesulphonate.

320/Bom/99. Ferring B.V.A. Netherland Company. "Heptapeptide Analogues".

321/Bom/99. Sayash Manohar Kulkarni and Manohar Punalkik Kulkarni. "An Electronic Numeric multi-function Protection Relay for Electrical Power System Protections".

29-4-1999

322/Bom/99. Cipla Ltd. "Composition for Orally Active Iron Chelator".

323/Bom/99. Cipla Ltd. "Composition for the Treatment of HIV Infection and Chronic Hepatitis B".

324/Bom/99. Cipla Ltd. "Composition for controlling Asthma".

325/Bom/99. Lupin Laboratories Ltd. "Use of Nicorandil in treatment of Sexual or Enhancement of Sexual Function in Mammals including Humans".

326/Bom/99. Ceramaspeed Limited. "Radiant Electric Heater".

327/Bom/99. Kailash Nath Misra. "Liner Inlet for Packing in Bulk Materials in Powder, Granule or Flake form for their Transportation".

## ALTERATION OF DATES UNDER SECTION 16.

183069/(1579/Cal/96) Anti dated to 1st April, 1992.

## ALTERATION OF DATE

183085 filed on 27-05-93.

549/Del/93. Anti dated to 16-04-92.

183090 filed on 12-7-95.

1305/Del/95. Ante dated to 1-9-92.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification, etc. according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

## स्वीकृत सम्पूर्ण विविधेय

एतद्वयाय यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पट पेटेट व्यापार के विवरण कलों के इच्छुक व्यक्ति, इसके नियम की विधि सं चार (4) महीने या अप्रिम एसी अवधि औ उक्त चार (4) महीने की अवधि को समाप्त के पूर्व, पेटेट (संशोधन) विवरण, 1999 के तहत विहित प्रस्तुति 4 पर अगर आवश्यक हो, एसी भीतर कभी भी विवरण के एकत्र को इच्छुक कार्यालय में एसी विवरण की सूचना विहित प्रस्तुति 7 पर ऐसे सकते हैं। विवरण संबंधी लिखित वक्तव्य एवं प्रतियों के साथ, अधिकारी है, उक्त सूचना के साथ या पेटेट (संशोधन) विवरण, 1999 इवारा संस्थापन नियम 36 के तहत व्यापारिशूल उक्त सूचना के विधि से 60 दिन के भीतर प्रारंभ कर दिये जाने चाहिए।

प्रत्येक विविधेय के संदर्भ में नीचे दिये गयीकरण, स्थानीय व्यापारिशूल सभा असंघर्षीय कार्यकरण के अनुरूप है [1]

विविधेय हथा विवरण आरेह, परिवर्तन द्वारा, की अविकल प्रतियों की आपूर्ति पेटेट कार्यालय या उसके द्वारा कार्यालयों से यथाविधिः प्रारंभिक रूप से उक्त विवरण के 10 फैप्ट प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

एसी परिस्थिति में एक विविधेय की अविकल प्रति उपलब्ध नहीं है, विविधेय विवरण सहज, गरीब कोई ही, की पर्याप्त प्रतियों की आपूर्ति पेटेट कार्यालय या उसके द्वारा कार्यालयों से यथाविधिः प्रारंभिक रूप से उक्त विवरण के 10 फैप्ट प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Cl. : 107 B, H &amp; K.

183061

Int. Cl. : F 02 B 7/00, 13/00, 37/00, 39/00  
F 02-D 1/00  
F 02 M 39/00, 41/00.

AN ELECTRONICALLY CONTROLLABLE, HIGH PRESSURE FUEL PUMP ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE.

Applicant : CUMMINS ENGINE COMPANY, INC. OF 500 JACKSON STREET COLUMBUS, INDIANA 43261, UNITED STATES AMERICA.

Inventors :

MARK S. CAVANAGH,  
BRYAN W. SWANK,  
JOHN D. LANE,  
KENT V. SHIELDS,  
RICHARD D. DRAUS,  
W. BEALE DELANO,  
JULIUS P. PERR.

Application No. : 339/Cal/1994 filed on 6th May, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 130 Claims

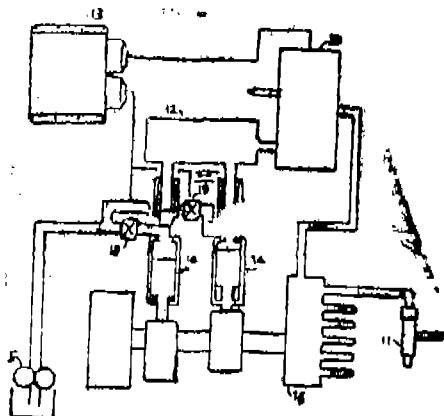
An electronically controllable, high pressure fuel pump assembly for supplying fuel at a predetermined pressure through plural fuel injection lines to the corresponding cylinders of a multi-cylinder internal combustion engine, comprising

(a) a unitized assembly adapted to be mounted on the engine, said unitized assembly including

- (i) pump means for pressurizing fuel above the predetermined pressure, said pump means including a pump housing having mounting means for mounting said unitized assembly on the engine;
- (ii) an accumulator means for accumulating and temporarily storing fuel at high pressure received from said pump means, said accumulator means including an accumulator housing containing at least one accumulator chamber, said accumulator housing being mounted on said pump housing, and
- (iii) a fuel distributor means enabling sequential periodic fluidic communication between said accumulator chamber and the engine cylinders, said distributor means including a distributor housing being mounted on said pump housing;

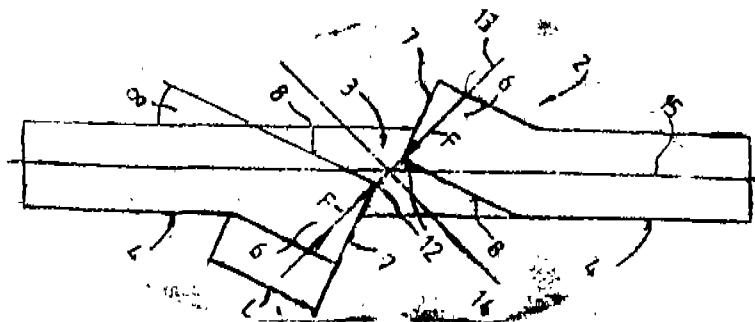
(b) a first solenoid operated pump control valve for controlling said pump means to maintain a desired pressure of fuel in said accumulator chamber, said first solenoid operated pump control valve by being mounted on said unitized assembly; and

(c) a first solenoid operated injection control valve for controlling the timing and quantity of fuel injected into each engine cylinder in response to engine operating conditions, said first solenoid operated injection control valve being mounted on said unitized assembly.



the contact legs (1) are bent away or angled away outwards in opposite directions in the region of the contact slot (3) or are displaced outwards in parallel in opposite directions or are provided with cutouts (11) wherein the cutouts (11) re-

present recesses which lead to a thinning of the thickness of the contact legs (4) in the region of the contact zones (6) so that the distance between the two contact points (12) of the contact zones (6) is reduced.



Compl. Specn. : 13 pages

Drgns. : 5 sheets

Cl. : 129 G J  
27 L

Int. Cl.<sup>4</sup> : E 04 C 5/01  
B 21 D 41/02  
B 21 K 1/56  
B 21 H 3/02.

#### A METHOD OF PRODUCING A THREADED DEFORMED STEEL REINFORCING ROD".

Applicant : ANCON CCL LIMITED, OF PRESIDENT WAY, PRESIDENT PARK SHEFFIELD S4 7UR, ENGLAND, UNITED KINGDOM.

Inventor : NIGEL CARTER.

Application No. 135/Cal/95 filed on 10th February, 1995.

(Convention No. 9402966.7 on 16-02-1994 in United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

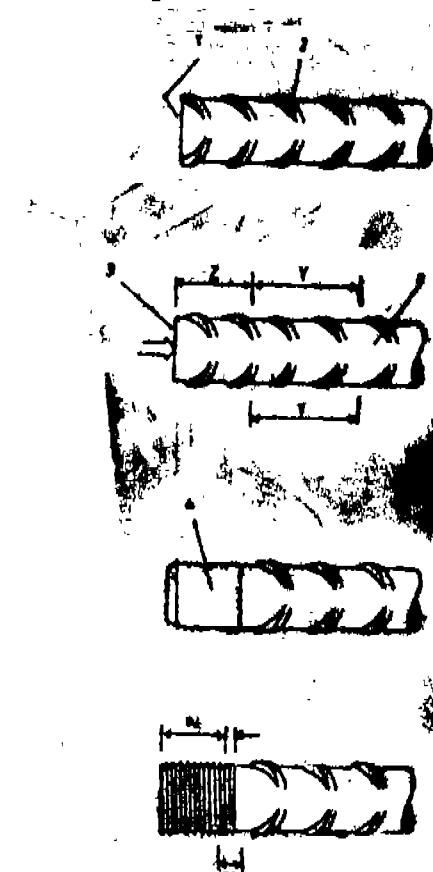
#### 9 Claims

A method of producing a threaded deformed steel reinforcing rod having a thread on at least one end region (1) of said reinforcing rod, wherein said threaded region has strength characteristics which are greater than or at least equal to the strength characteristics of the unthreaded region, said method comprising :

cold upsetting at least one end region of a deformed steel reinforcing rod having a nominal diameter (D), so as to increase the diameter of the end region to a new, upset, diameter greater than the nominal diameter (D);

skimming the upset end region; and rolling a thread onto the end region, so as to produce a threaded region having a

thread major diameter (D2) which is greater than the nominal diameter (D) and a thread minor diameter (D3) which is less than the nominal diameter (D).



Compl. Specn. : 15 pages

Drgns. : 4 sheets.

CL : 95 C

183065

Int. CL<sup>4</sup> : B 23 Q 3/06.

## A DEVICE FOR CLAMPING AN ELONGATE WORK-PIECE.

Applicant : EDOWA AG, OF WINKELSTRASSE 8, CH-5734 REINACH SWITZERLAND.

Inventor : RUDOLF SCHNEIDER.

Application No. : 157/Cal/95 filed on 15th February, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

## 21 Claims

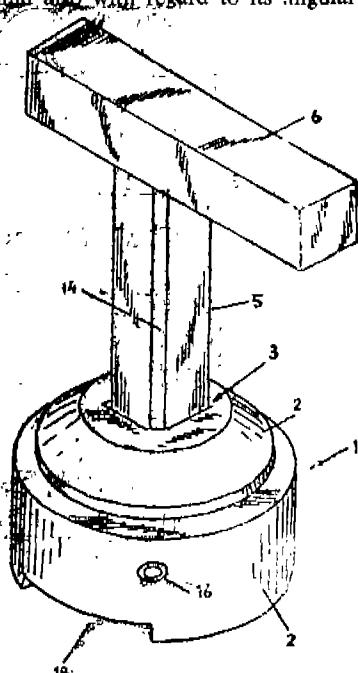
A device for clamping an elongate workpiece comprising : a clamping body member (2) having a first support surface for supporting said clamping body member relative to a machining apparatus and inner side walls (7—10) extending transversely of said first support surface and defining a clamping chamber (3) for receiving the elongate workpiece (6) therein, said clamping chamber having a polygonal cross-section,

said clamping body member (2) having a second support surface extending substantially parallel to said first support surface in spaced relationship thereto for supporting the elongate workpiece in said chamber and forming the bottom of said chamber,

said clamping body member (2) having at least one threaded hole (17) extending transverse of said side walls;

and at least one threaded clamping screw (16) received in said at least one threaded hole (17) for securing the elongate workpiece in said clamping chamber ;

characterized in that reference means in the form of a plurality of webs (11—13) integrally formed with the walls of said chamber (3) or in the form of plate members (11a-b) insertable into said chamber (3) are provided in said clamping body member, said reference means cooperating with said elongate workpiece (6) to define its position at least in X-and Y-directions and also with regard to its angular orientation.



Ref. No. : 2-2-2-2-8

Drgns. : Nil

CL : 128 A

183066

Int. CL<sup>4</sup> : A 61 F 13/20.

## AN ABSORBENT TAMPOON COMPRISING AN ABSORBENT CORE.

Applicant : MCNEIL-PPC, INC., OF VAN LIEW AVE, MILLTOWN, NJ-08550, UNITED STATES OF AMERICA

## Inventors :

THEODORE A FOLEY,

LINDA M PIERSON,

HARRY PINE,

RONALD P SCHRECK

RICHARD A SCHROEDER.

Application No. : 506/Cal/95 filed on 5th May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 15 Claims

An absorbent tampon comprising an absorbent core wherein said absorbent core comprises 10—90% of hydrophobic material, the balance being hydrophilic material such as herein described to provide a surface capillary suction pressure of less than about 40 mm Hg.



Compl. Specn. : 25 pages

Drgns. : 3 sheets.

CL. 63C

183067

Int. CL<sup>4</sup> : H01R 39/40.

## UNIVERSAL ELECTRIC MOTOR.

Applicant : JOHNSON ELECTRIC S.A., of 125 Rue DU Progrès, CH-2300 LA-Chaux-De-Fonds, Switzerland.

Inventor : KAM-SHING MOK

Application No. : 1254/Cal/95 filed on 17th October, 1995.

Convention No. 9421201.6 on 20-10-1994 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

## 6 Claims

A universal motor for an electrical appliance comprising :

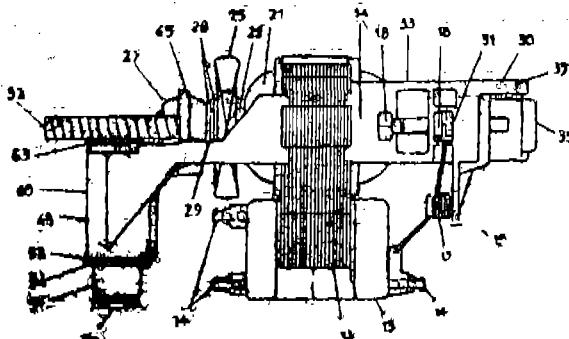
a laminated stator assembly (11) having a coil (12) thereon;

a rotor comprising a shaft (22) having a gear (26) at one end thereof, a commutator (23) mounted on the shaft, an armature core (21) mounted on the shaft, a plurality of armature windings wound on the armature core and connected to the commutator;

a frame having a first frame part (30) and a second frame part (40) disposed on opposite ends of the stator assembly (11), the first frame part (30) carrying a bearing for the shaft and brush gear for supplying electrical power to the commutator, the second frame part (40) carrying another bearing (27) for the shaft (22);

Characterized in that the first and second frame parts are moulded from different plastics materials, the first frame part (30) being moulded from a plastics material having good electrical insulating properties and the second frame part (40) being moulded from a plastics material having good mechanical strength properties, and

the brush gear comprises two brushed (16) slidably mounted in openings (31) formed in the first frame part (30) and urged into contact with the commutator (21) by respective springs (17).



Compl. Specn : 8 pages

Drgns : 4 sheets.

Cl. : 32 (C) 183068

Int. Cl. : C07C 69/00

**"A PROCESS FOR THE MANUFACTURE OF AN ESTER MIXTURE".**

Applicant : HINDUSTAN LEVER LIMITED, of 165/166 Backbay Reclamation, Mumbai-400 020.

Inventors :

MARNIX P VAN AMERONGEN  
LOURUS CORNELIS LIEVENSE  
CORNELIS WILLEM VAN OOSTEN.

Application No. : 1321/Cal/96 filed on 22nd July, 1996.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

7 Claims

Process for the manufacture of an ester mixture comprising the steps of :

- (a) hydrolysing Y-oryzanol such that a reaction mixture is made comprising ferulic acid and free sterols;
- (b) separating the ferulic acid from the reaction mixture; and
- (c) esterifying the so obtained free sterols with particular fatty acids such as herein described.

Compl. Specn. : 14 Pages Drgns : 1 Sheet.

Cl. 34 A 183069  
172 R

Int. Cl. : D 01 D 1/09, 1/10, 5/08, 10/02.

**A PROCESS FOR THE PREPARING DRAWN SPIN-ORIENTED POLYESTER FINE FILAMENTS AND DRAWN SPIN-ORIENTED POLYESTER FINE FILAMENTS PREPARED THEREBY.**

Applicant : E. I. DU PONT DE NEMOURS & CO., OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors :

ROBERT ELLINS,  
HANS RUDOLF EDWARD FRANKFORT,  
STEPHEN BUCKNER,  
JOHNSON,  
BENJAMIN HUGHES KNOX,  
ELMER EDWIN MOST, Jr.,

Application No. : 1579/Cal/96 filed on 3rd September, 1996.

(Divided out of No. 216/Cal/92 antdated to 1st April, 1992).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta,

8 Claims

A process for preparing drawn spin-oriented polyester fine filaments of denier, after boil-off shrinkage, in the range 1 to 0.2dpf. wherein said process comprises;

(i) selecting a polyester polymer to have a relative viscosity (LRV) in the range of 13 to 23, a zero-shear melting point ( $T_m$ ) in the range 240°C to 265°C, and a glass-transition temperature ( $T_g$ ) in the range of 40°C to 80°C;

(ii) melting and heating said polyester polymer to a temperature ( $T_p$ ) in the range 25°C to 55°C;

(iii) filtering the resulting melt sufficiently rapidly in a manner such as herein described that the residence time ( $t_r$ ) is less than 4 minutes;

(iv) extruding the filtered melt through spinneret capillary at a mass flow rate (W) in the range 0.07 to 0.7 grams per minute, and said capillary being selected to have a cross-sectional area (AC) in the range  $1250 \times 10^{-6}$  cm<sup>2</sup> and a length (L) and diameter (DRND) such that the (L/DRND)-ratio is at least 1.25 and less than 6;

(v) protecting the extruded melt from direct cooling as it emerges from the spinneret capillary over a distance (LDQ) of at least 2 cm and less than (12dpf 1/2) cm, where dpf is the denier per filament of the fine spin-oriented polyester filament;

(vi) cooling the extruded melt to below the polymer glass-transition temperature ( $T_g$ ) and attenuating to an apparent spinline strain ( $E_a$ ) in the range of 5.7 to 7.6 and to an apparent internal spinline stress ( $O_a$ ) in the range of 0.045 to 0.195g/d;

(vii) then converging the cooled filaments into a multifilament bundle by use of a low friction surface at a distance (Lc) from the spinneret capillary in the range 50cm to 140 cm;

(viii) withdrawing the multifilament bundle as a yarn at a speed (V) in the range of 2 to 6 km/min and characterised in that;

(ix) drawing the resulting undrawn yarn of spin-oriented polyester filaments to provide a drawn yarn having an elongation-at-break (EB) of 15% to 55% tenacity-at-7% elongation (T) at less than 1g/d such that the (TB)/(T7)-ratio is at less (5/T7) wherein (TB) is normalized tenacity-at-break, a post-yield modulus (Mpy) of 5 to 25 g/d, a boil-off-shrinkage (S) and dry heat shrinkage (DHS) of 2% to 12%, and an average denier spread (DS) less than 4%.

Compl. Specn. : 52 Pages

Drgns. : 10 sheets

Cl. 34 A 183069  
172 R

Int. Cl. : D 01 D 1/09, 1/10, 5/08, 10/02.

**A PROCESS FOR THE PREPARING DRAWN SPIN-ORIENTED POLYESTER FINE FILAMENTS AND DRAWN SPIN-ORIENTED POLYESTER FINE FILAMENTS PREPARED THEREBY.**

Applicant : E. I. DU PONT DE NEMOURS & CO., OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Cl. : 55E4, 32 F3(a)

183070

Int. Cl. : A 61 K 31/075  
31/08  
C 07 C 41/09  
43/235.

A PROCESS FOR PREPARING A NAPHTHYL COMPOUND.

Applicant : ELI LILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors :

HENRY UHLMAN BRYANT,  
THOMAS ALAN CROWELL,  
CHARLES DAVID JONES,  
ALAN DAVID PALKOWITZ.

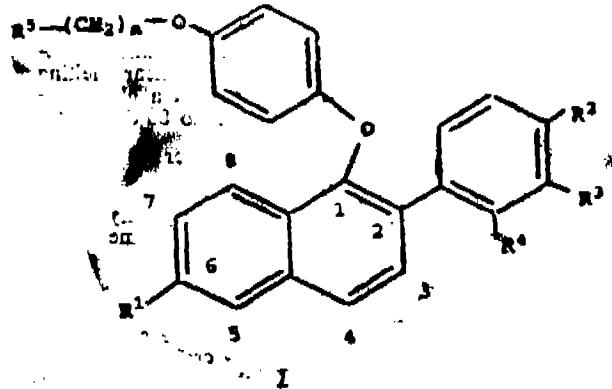
Application No. : 1556/Cal/97 filed on 25th August 1997.

(Convention No. 60/025,125 on 29th August 1996 in U.S.A.)

Appropriate Office for Opposition Proceedings : (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

1. A process for preparing a compound of formula I



wherein

R<sup>1</sup> is -H, -OH, -O(C<sub>1</sub>-C<sub>6</sub> alkyl), -OCOAr where Ar is phenyl or substituted phenyl, -O(CO)OAr where Ar is phenyl or substituted phenyl, -OCO(C<sub>1</sub>-C<sub>6</sub> alkyl), -O(CO)O(C<sub>1</sub>-C<sub>6</sub> alkyl), or -OSO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub> alkyl).

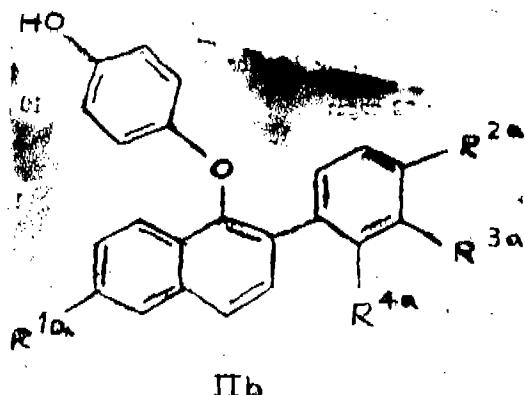
R<sup>2</sup> is -H, -F, -Cl, -OH, -O(C<sub>1</sub>-C<sub>6</sub> alkyl), -OCOAr where Ar is phenyl or substituted phenyl, -O(CO)OAr where Ar is phenyl or substituted phenyl, -OCO(C<sub>1</sub>-C<sub>6</sub> alkyl), or -OSO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub> alkyl).

R<sup>3</sup> and R<sup>4</sup> are, independently, -H, -F, -Cl, -CH<sub>3</sub>, -OH, -O(C<sub>1</sub>-C<sub>6</sub> alkyl), -OCOAr where Ar is phenyl or substituted phenyl, -OCO(C<sub>1</sub>-C<sub>6</sub> alkyl), -O(CO)O(C<sub>1</sub>-C<sub>6</sub> alkyl), or -OSO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub> alkyl), with the proviso that both R<sup>3</sup> and R<sup>4</sup> cannot be hydrogen.

n is 1 or 3; and

R<sup>5</sup> is 1-piperidinyl, 1-pyrrolidinyl, methyl-1-pyrrolidinyl, dimethyl-1-pyrrolidinyl, 4-morpholino, 2/5 dimethylamino, diethylamino, or 1-hexamethyleneimino; or a pharmaceutically acceptable salt or solvate thereof, which comprises :

(a) reacting a compound of formula IIb



wherein

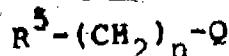
R<sup>5</sup> is -H or -R<sup>6</sup> where R<sup>6</sup> is a hydroxy protecting group;

R<sup>6</sup> is -R, -F, -Cl, -OH, -O(C<sub>1</sub>-C<sub>6</sub> alkyl), -OCOAr where Ar is phenyl or substituted phenyl, -O(CO)OAr where Ar is phenyl or substituted phenyl, -OCO(C<sub>1</sub>-C<sub>6</sub> alkyl), or -OSO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub> alkyl);

R<sup>7</sup> is -H, -F, -Cl, or -OR<sup>7</sup> in which R<sup>7</sup> is a hydroxy protecting group;

R<sup>8</sup> is -R, -F, -Cl, -OH, -O(C<sub>1</sub>-C<sub>6</sub> alkyl), -OCOAr where Ar is phenyl or substituted phenyl, -O(CO)OAr where Ar is phenyl or substituted phenyl, -OCO(C<sub>1</sub>-C<sub>6</sub> alkyl), or -OSO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub> alkyl);

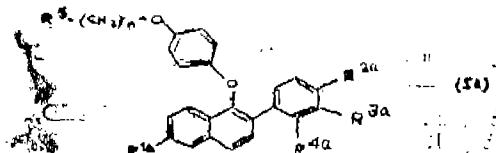
with 1 to 2 equivalents of an alkylating agent of formula V.



V

and R<sup>5</sup> are as defined herein before; and Q is a leaving group; in the presence of an appropriate solvent such as heroin described; and in the presence of at least four equivalents of an alkali metal carbonate....

or formula compound of formula I



wherein R<sup>1a</sup>, R<sup>2a</sup>, R<sup>3a</sup>, R<sup>4a</sup>, n, and R<sup>5</sup> are as defined above;

(b) optionally removing the hydroxy protecting groups, when present, of the product of step (a); and

(c) when step (b) is performed, optionally functionalizing the 6-and/or 3-position hydroxy moieties of the product of step (b); and

(d) optionally forming a salt of the product of step (a), step (b) or step (c).

Compl Specn: 44 Pages

Drg. Nil

Int. Cl. : 55 E 4, 32 F 2a

183071

Int. Cl. : C 07 K 15/14.

A PROCESS FOR THE ISOLATION OF A GLYCOLIPID FRACTION FROM TRICHOPUS ZEYLANICUS POSSESSING ADAPTOGENIC ACTIVITY.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventor(s) :

KAMLESH KUMAR BHUTANI,  
DEVINDER KUMAR GUPTA,  
BHUPINDER SINGH JAGGI,  
KEWAL KRISHEN ANAND,  
RANDHIR SINGH KAPIL,  
KEWAL KRISHEN ANAND,  
PALPU PUSHPANGADAN,  
SREEDHARAN NAIR RAJASEKHARAN.

Kind of Application : Complete.

Application for Patent No. 88/Del/94 filed on 25-1-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 5 Claims

A process for the isolation of glycolipid fraction from *Trichopus zeylanicus* possessing adaptogenic activity comprising a mixture of polar glycolipids (80 to 85%) having mol. wt. in the range of 400—100 daltons, the rest of the fraction being made up of sodium, potassium and calcium salts which comprises, (a) powdering the parts of the plant, such as stem, leaves, fruits, roots, of the plant *Trichopus zeylanicus*, (b) preparing an aqueous alcoholic extract of the said powdered plant material, (c) concentrating the aqueous solvent extract to minimum volume and partitioning with polar organic solvents in the order of increasing polarity, (d) treating the said polar extract obtained in step (c) with a mixture of organic solvents such as chlorinated methane, alcohols (1-4 carbon atoms) at a pH in the range of 2—6, and centrifuging to supernatant and residue and isolating the glycolipid fraction from the supernatant obtained in step (d) by applying modern conventional affinity chromatographic methods such as here in described.

Complete 9 Pages

Drawings Nil Sheets

Ind. Cl. : 55 E<sub>2</sub>

183072

Int. Cl. : C 07 K, 3/00, A 61/ K, 31/715

## A PROCESS FOR PREPARING A WATER-INSOLUBLE, HEAT STERILIZABLE, CATION-COMPLEXED PECTIN.

Applicant : HERCULES INCORPORATED, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1313 N. MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE 1989-0001, UNITED STATES OF AMERICA.

Inventors :

PAQUITA ERAZO BARNUM, U.S.A.

THOMAS GEORGE MAJEWICZ, U.S.A.

Kind of Application : Complete.

Application of Patent No. 843/Del/94 filed on 6th July, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 8 Claims

A process for preparing a water-insoluble, heat sterilizable, cation-complexed pectin in the form of agglomerated particles having a median particle size between 38 and 4750 microns, the method comprising mixing in a high intensity mixer a substantially water-soluble pectin having a degree of methyl or acetyl esterification less than about 45% water and a source of cations, wherein said source of cations comprises at least one salt of metal cations selected from the group consisting of calcium, iron, magnesium, zinc, potassium, sodium aluminum and manganese cations.

the total solids content is from 30 to 70%.

and the molar ratio of cation to anhydrogalacturonic acid in the pectin is from 0.05 : 1 to 1.5 : 1.

Agent : Remfry &amp; Sagar.

(Compl. Specn. 56 Pages;

Drgs. Sheet Nil)

Ind. Cl. : 92P (30)

163072

Int. Cl. : C07G 47/42

THE PROCESS FOR THE PREPARATION OF  $\alpha$ -ARYL PROPANALS

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Raja Marg, New Delhi-110001, India, an India registered body incorporated under the Registration of Societies Act (Act XXI of 1860) India.

Inventors : MALLADI PARDHASARADHI, CHEMBUKULAM KAMALAKSHYAMMA SNEHA LATHA NAR, AND ARSID SATYANARAYANA, INDIA.

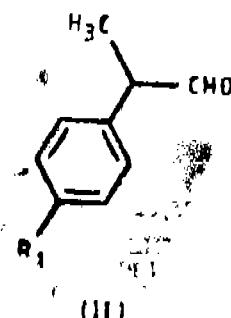
Kind of Application : Complete

Application for Patent No. 955/DEL/94 filed on—27th July 94.

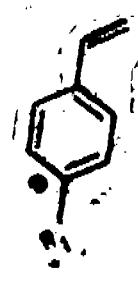
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 4 Claims

A process for the preparation of  $\alpha$ -aryl propanals of the general formula (II)



where  $R_1$  represents H, Isobutyl, which comprises reacting styrene or substituted styrene of the general formula (I)



where  $R_1$  has the meaning given with synages ( $CO_1 + H_2$ ) presence of triphenyl phosphine, inert organic solvent & rhodium carbonyl catalyst such as hydrido carbonyl tris triphenylphosphine rhodium (I) ( $RhH$ ) ( $CO$ ) (TPP3) under 100—150 bar pressure at a temperature in the range of 40-100°C and recovering the said  $\alpha$ -aryl propanals by conventional methods such as herein described.

(Compl. Specn.—4 Pages

Drugs Sheet—1

Ind. Cl. : 77A

183074

Int. Cl. : A 23 D 5/00

**A PROCESS FOR PREPARING BLENDED EDIBLE VEGETABLE OIL COMPOSITION.**

Applicant : DABUR INDIA LIMITED, AN INDIAN COMPANY OF 8/3, ASAF ALI ROAD, NEW DELHI-110002, INDIA.

## Inventors :

DR. DASLUKUNTEY BHIMA RAO ANANTHA NARAYANA.  
DR. SYAMAL ADHIKARI.

Application for the Patent No 1209/Del/94 filed on 28-9-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**3 Claims**

A process for preparing blended vegetable oil composition having (a) tocotrienols levels 345-355 mg/1 (b) cycloartenol 0.074-0.090% in blend (c) 24-methylene-cycloartanol 0.347 to 0.372% in blend (d) tocopherols 270.310 mg/1 and (e) the ratio of PUFA/MUFA is less than 3 to balance the elevated cholesterol level by increasing High density lipoprotein cholesterol level (HDL) and decreasing low High density lipoprotein cholesterol level (LDL) compressing adding refined rice bran oil (RBO) to safflower oil in the ratio of 70.75 : 25-30, at ambient temperature with continuous string for 15 minutes at 800-1000 r.p.m.

Agent : THE ACME COMPANY.

(Compl. Specn. 17 Pages;

Drwg. 4 Sheets)

Ind. Cl. : 55E2

183075

Int. Cl. : A 61 K, 35/00.

**A PROCESS FOR THE PREPARATION OF AN EXTRACT FROM HUMAN PLACENTA CONTAINING GLYCOSPHINGOLIPIDS AND ENDOTHELIN PEPTIDES USEFUL FOR THE TREATMENT OF VITILIGO.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

## Inventors :

DR. RANJAN BHADRA.  
MR. PRAJNAMOY PAL.  
DR. RABINDRA ROY.  
DR. AJIT KUMAR SUTTA.

Application for Patent No. 1228/Del/94 on 29th September, 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**8 Claims**

A process for the preparation of an extract from human placenta containing glycosphingolipids and endothelin peptides useful for the treatment of vitiligo which comprises :

- (a) chopping the whole placenta into small pieces;
- (b) triturating the chopped material by known method using aqueous lower aliphatic alcohol;
- (c) extracting the whole triturated material by heating in a phased manner, first at 40° to 50° C for 20 to 40 minutes and then at 60° to 70° C for 5 to 15 minutes, avoiding the application of direct heat;

- (d) aging the said extract obtained in step (c) in dark at room temperature minimizing exposure to air;
- (e) filtering the aged extract obtained in step (d) to remove comparatively larger residues/tissue debris and obtain filtrate;
- (f) adjusting the concentration of the alcohol in the said filtrate the strength of 40% to 60% by weight using distilled water;
- (g) aging the filtrate thus obtained further by keeping the material for 3 to 4 days in dark at room temperature, minimizing exposure to air; then
- (h) separating the residue by conventional methods such as here in described to get extract containing glycosphingolipides & endothelin peptides.

(Compl. Specn. 22 Pages;

Drgs. Nil)

Int. Cl. : 83 B5

183076

Int. Cl. : A 47 J 27/04

**A PROCESS FOR THE PRODUCTION OF QUICK COOKING RICE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

## Inventors :

YELANDUR MADAPPA INDUDHARA SWAMY, INDIAN.  
MYSORE NAGARAJA RAO RAMESH, INDIAN.  
PULLAR NARAYANA RAO SRINIVASA RAO, INDIAN.  
SYED ZAKIUDDIN ALI, INDIAN.  
ANATHASWAMY RAO RAMESH, INDIAN.  
KODAMPALLIL RAMAKRISHNAPILLAI UNNIKRISHNAN, INDIAN.  
VUNDAWADI NAGARAJA RAO SUBBARAO, INDIAN.  
KANDAVAR NARASIVANNA ASWATHANARAYANA, INDIAN.

Kind of Application : Complete.

Application for Patent No. 1229/Del/94 filed on 29-9-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**2 Claims**

An improved process for the preparation of quick cooking rice which comprises : i. washing rice milled to 7-8% degree of polish with water by conventional manner to remove adhering bran and dust, ii. soaking the washed rice in water at ambient temperature for about 1/2 hrs. to equilibrate to a moisture level content of 28 to 32% wet basis (w.b.), iii. adding a water in the ratio of 2 : 1 to 2.5 : 1 to the soaked rice, iv. steaming at atmospheric pressures for about 18-20 minutes the resultant mixture to gelatinize and obtain a cooked rice having a moisture content of 74-76% w.b. v. washing the said steamed rice a second time with ambient temperature water for sudden cooling to prevent further gelatinization, vi. drying the cooked rice in a hot air at 170 to 180°C preferably in a fluidized bed drier to reduce moisture content to 4 to 6% within 5-7 min.

Complete Specn. 11 Pages;

Drgs. Nil Sheets

Ind. Cl. : 136 1

183077

Int. Cl. : A 23L 1/26

**A PROCESS FOR THE PREPARATION OF NOODLES/VERMICELLI FROM MAIZE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

## Inventors :

CHAKRABHAVI MALLAPPA SOWBHAGYA, INDIA.  
SYED ZAKIUDDIN ALI, INDIA.

Application for Patent No. 1512/Del/94 filed on 24th November, 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

## 6 Claims

A process for the preparation of noodles/vermicelli from maize which comprises; (a) soaking deginned debranned maize grit in water containing metabisulphite, having 0.05 to 0.3% SO for 8-20 hrs. at 30-60°C (b) draining the excess water, (c) 2 washing drying & grinding the said dried material to make a fine powder, (d) adding salt to taste, (e) mixing thoroughly with water, (f) sieving to break the lumps and subjecting to first steaming at atmospheric followed by, (g) making a dough using boiling, water repeat step (f), than (h) extruding through noodle/vermicelli press of desired size, (i) subjecting to second steaming at atmospheric pressure and, (j) drying.

Compl. Specn. 11 Pages;

Drgs. Sheet Nil

Ind. Cl. : 32 C

183078

Int. Cl. : C07C, 135/00.

## AN IMPROVED PROCESS FOR THE EXTRACTION OF PURIFIED PHOSPHATIDYL CHOLINE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY, INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

## Inventors :

KADIMI UDAYA SANKAR,  
GOPALAN BEGAN,  
BALARAMAN MANOHAR, INDIA.

## Kind of Application : Complete.

Application for Patent No. 1721/Del/94 filed on 30th December, 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 4 Claims

An improved process for the extraction of purified phosphatidyl choline which comprises :

(a) extracting crude plant lecithin obtained from plant such as herein described & containing phosphatidyl choline, using carbon dioxide at a temperature in the range of 35-80°C and at a pressure in the range of 100-400 bar to remove the neutral lipid,

(b) fractionating the lecithin so obtained in step (a) with alcohol into alcohol-soluble and alcohol-insoluble fractions to enrich phosphatidyl choline in alcohol soluble fraction to a tune of 15-30%,

(c) further fractionating the alcohol-soluble lecithin fraction obtained in step (b) by column chromatography with alcohol on a bed of silica gel at temperature above ambient to obtain phosphatidyl choline of degrees of purity ranging from 75-100%.

Compl. Specn. 15 Pages;

Drgs. Sheets Nil

Ind. Cl. : 55 E.

183079

Int. Cl. : A 61 K 31/00.

## "A PROCESS FOR PREPARING 6-(2-IMIDAZOLINYLMINO) QUINOLINE."

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE P; AZA, CINCINNATI OHIO 45202 UNITED STATES OF AMERICA

Inventor(s) : CUPPS THOMAS LEE—U.S.A. MAURER, PETER JULIAN—U.S.A. and JEFFREY JOSEPH ARES—U.S.A.

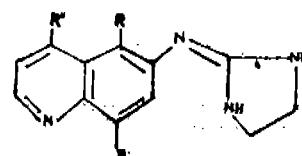
## Kind of Application : Complete

Application for Patent No. 43/Del/1995 filed on 16th January, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

## 7 Claims

A process for preparing a 6-(2-imidazolinylamino) quinoline having the following structure



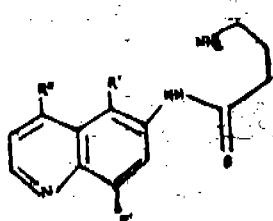
wherein

(a) R' is unsubstituted alkyl or alkenyl having from 1 to 3 carbon atoms;

(b) R'' is selected from unsubstituted alkyl or alkenyl having from 1 to 3 carbon atoms; unsubstituted alkylthio or alkoxy having from 1 to 3 carbon atoms; hydroxy; thiol; and halo; and

(c) R'' is selected from hydrogen; unsubstituted alkyl or alkenyl having from 1 to 3 carbon atoms methyl mono substituted with hydroxy, thiol or amino; unsubstituted alkylthio; or alkoxy having from 1 to 3 carbon atoms; amino; halo; unsubstituted amide; amido; unsubstituted or substituted with alkyl or alkenyl having from 1 to 3 carbon atoms; with sulfide; unsubstituted sulfoxide; unsubstituted sulfonyl; and cyano.

comprising effecting a ring closure reaction wherein the ring closure reagent is mercuric acetate to eliminate  $H_2S$  on a 6-(N,2-aminoethyl) thiourea of the formula :



and optionally converting a compound wherein R' is alkoxy or alkylthio to the corresponding hydroxy or thiol group and/or converting a compound wherein R'' is cyano to the corresponding methyl or amide group by conventional methods.

Agent : LALL LAHIRI & SALHOTRA.

(Compl. Specn. 29 Pages;

Drg. Nil Sheet)

Ind. Cl. : 55 E, 32 F<sub>a</sub>(c), 32(c) 183080

Int. Cl.<sup>4</sup> : A 61 K, 32/00, 37/00.

A PROCESS FOR THE PRODUCTION OF 7-XYLOSYL-10-DEACETYL TAXOL, A TAXOL ANALOGUE FROM THE STEM BARK OF TAXUS WALLICHIANA PLANT.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, (ACT XXI OF 1860).

Inventor(s) :

- (1) SUNIL KUMAR CHATTOPADHYAY—INDIAN,
- (2) RAM PRAKASH SHARMA—INDIAN &
- (3) SUSHIL KUMAR—INDIAN.

Kind of Application : Provisional—Complete.

Application for Patent No. : 439/Del/1995 filed on 14th March, 95.

Complete left after Provisional Specification filed on 4-8-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 5 Claims

A process for the production of 7-xylosyl-10-deacetyl taxol, a taxol analogue from the stem bark of Taxus wallichiana plant which comprises extracting air dried pulverized stem bark with alcohol at room temperature, evaporating the solvent to obtain a residue, stirring the residue with water to get a thick precipitate containing crude taxol analogue, filtering the said residue through a bed of silica using chlorinated solvent & methanol and recovering the taxol analogue from the filtrate by conventional methods such as herein described.

(Provisional Specification : 4 pages;

Drawing : Nil)

(Complete Specification : 9 pages;

Drawing : Nil)

Ind. Cl. : 55 D<sub>2</sub>, 60 x 1 183081

Int. Cl.<sup>4</sup> : A 61 K 31/44, A 01 N 57/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF 0, 0-DIETHYL-3, 5, 6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE (CHLORPYRIPHOS).

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventor(s) :

- (1) UDAY TRIAMBAKRAJ BHALEROA, INDIA,
- (2) SOMARAJU NAGABHUSHAN RAO, INDIA,
- (3) AKASH NARHARAO PATWARI, INDIA,
- (4) BOMMENA NARHARAO PATWARI, INDIA,
- (5) BHIM RAO, BODHAN RAO GAWALI, INDIA,
- (6) RAVIRALA NARENDER, INDIA
- (7) KALILI BHARAMARAMBA, INDIA.
- (8) GUNTUKU NARASIMHA REDDY, INDIA.

Kind of Application : Provisional—Complete.

Application for Patent No. : 331/Del/92 filed on 16th April, 92. Complete left after Provisional Specification on 27-5-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 8 Claims

An improved process for the preparation of 0, 0-diethyl-3, 5, 6-trichloro-2-pyridyl phosphorothioate (chlorpyriphos) which comprises reacting an aqueous solution of sodium salt of 3, 5, 6-trichloropyridin-2-ol diethylthio phosphoryl chloride in a two phase system of inert organic solvent and water in presence of 0.25 to 10 mole% of sodium salt of 3, 5, 6-trichloropyridin-2-ol, two component phase transfer catalyst consisting of quaternary ammonium salt and tertiary amine at ambient pressure, and temperature in the range of 30-85°C, then recovering chlorpyriphos by known methods.

(Provisional : 4 pages;

Drawing Nil Sheet)

(Complete : 18 pages;

Drawing Nil Sheet)

Int. Cl. : 32 F<sub>2</sub>a 183082

Int. Cl. 4 : C07 C 101/100

AN IMPROVED PROCESS FOR THE PREPARATION OF ALPHA AMINO ACIDS USING NOVEL Rh(I) DIBNE COMPLEX AS CATALYST.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA.

Inventors : ARVIND KUMAR, INDIA

ALKA MITTAL, INDIA

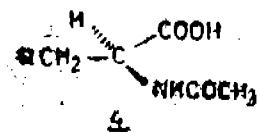
Kind of Application : Complete

Application Patent for No. 289/Del/93 filed on 23-3-1993.

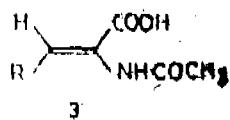
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### Claims 2

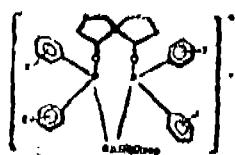
An improved process for the preparation of alpha amino acids of the formula 4



shown in the drawing accompanying this specification where R represents phenyl 4-acetoxy-3-methoxy phenyl, 3, 4-dimethoxyphenyl, using a novel Rh(I) diene complex as catalyst which comprises enantioselectively reducing N-acetyl dihydroamino acids of the formula 3.



where R represents phenyl, 3, 4, dimethoxy phenyl, by conventional methods in the presence of Rh(I) diene complex as catalyst having the formula 2

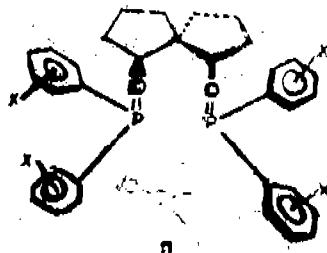


where X represents H, CH<sub>3</sub>, OCH<sub>3</sub> and Y represents an anion such as halides, perchlorate, tetrauoro borate, hexafluorophosphate and recovering alpha amino acids by known method such as here in described.

(Complete Pages;

Drawing : 1 Sheet)

where X represents hydrogen and Y represent anion like halide, perchlorate, tetrauoro borate, hexafluorophosphate which comprises reacting cis, cis (+) or (-) spiro (4, 4) nonan-1, 6,0-bis (diphenylphosphino) phosphinite of the formula 1.



wherein X has the meaning given above with (Rh(I)-(diene), acetyl acetone (acac) complex of the formula 7



in the presence of an acid of the formula Hy where Y has the meaning given above to give (Rh(I) (diene), 1, 6,0-bis (diphenylphosphino) cis, cis-spiro (4, 4) NONANE) +Y— of the formula 2 where X and Y have the meanings given above.

#### Agent :

(Compl. Specn. : 9 pages;

Drwgs. : 1 sheet)

Int. Cl. : B 01 J 31/00

183083

183084

"A PROCESS FOR THE PREPARATION OF NOVEL [Rh(I) (DIENE), 1, 6,0-BIS (DIPHENYLPHINO)CIS, CIS-SPIRO (4, 4) NONANE] Y.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : ARVIND KUMAR—INDIA AND ALKA MITAL—INDIA.

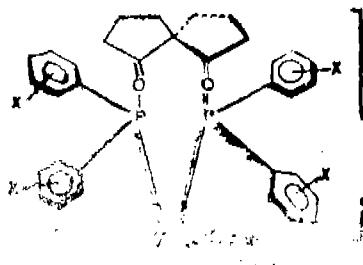
Kind of application : Complete.

Application for Patent No. : 290/Del/93 filed on 23rd March, 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

#### (Claims)

A process for the preparation of novel (Rh(I) (diene), 1, 6,0-bis ((diphenylphosphino) cis, cis-spiro (4, 4) nonane) X+Y—of the formula 2



Ind. Cl. : 40 B.

Int. Cl. : B 01 J 31/00.

A PROCESS FOR THE PREPARATION OF NOVEL CIS, CIS (+) or (-) SPIRO (4, 4-NONAN-1, 6,0-BIS (DIARYL) PHOSPHINITE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

#### Inventors :

1. ARVIND KUMAR, INDIA,
2. ALKA MITAL, INDIA.

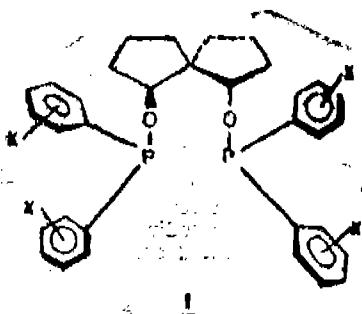
Kind of Application : Complete.

Application for Patent No. 291/Del/93 filed on 23rd March, 1993.

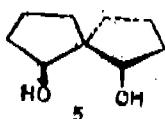
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

#### 4 Claims

A process for the preparation of novel cis, cis (+) or (-) spiro (4, 4) nonan-1, 6,0-bis (diaryl) phosphinite of the formula 1



where  $x$  represents hydrogen  $\text{CH}_2\text{OCH}_3$  which comprises reacting (+) or (-) cis, cis spiro (4, 4) nonan-1,6 diol of the formula 5



with diphenyl chlorophosphine of the formula 6



where  $X$  has the meaning given above in the presence of an amine such as herein described to form the said cis, cis (+) or (-) spiro (4, 4) nonan-1, 6, 0-bis (diphenyl) phosphinite of the formula 1

**Agent :**

(Compl. Spec. 9 pages;

Drawing. 1 sheet.)

Ind. Cl. : 32 F 1, 55, D2

189085

Int. Cl. : C 07 D 213/00, A 61 K 31/44.

**AN IMPROVED ONE POT PROCESS FOR THE PREPARATION OF A SODIUM SALT OF 3, 5, 6-TRICHLOROPYRIDIN-2-OL.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

**Inventor(s) :**

- (1) UDAY TRIAMBKRAT BHALLERAO, INDIA.
- (2) SOMARAJU NAGABHUSHAN RAO, INDIA.
- (3) AKASH NARHARAO PATWARI, INDIA.
- (4) BOMMENA VITHAL RAO, INDIA.
- (5) BHIM RAO BODHA RAO GAWALI, INDIA.
- (6) RAVIRALA NARENDER, INDIA.
- (7) KALIKI BHARAMARAMBA, INDIA.
- (8) GUNTUKU NARASIMHA REDDY, INDIA.

**Kind of Application :** Complete.

Application for Patent No. : 549/Del/93 filed on 27th May, '93.

Divisional out of Patent App. No. 331/Del/92 dated 16-04-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

**5 Claims**

An improved one pot process for the preparation of a sodium salt of 3, 5, 6-trichloropyridin-2-ol which comprises reacting trichloroacetyl chloride with acrylonitrile at a temperature in the range of 70-200°C for a period of 6-12 hrs at atmospheric pressure in presence of an inert organic solvent and a catalyst selected from copper or salts of copper, reacting the resultant residue with aqueous sodium hydroxide and recovering the sodium salt of 3, 5, 6-trichloropyridin-2-ol by known method such as herein described.

**Agent :**

(Complette : 12 papgeps;

Drawing : Nil Sheets)

Ind. Cl. : 55 E, 32 F-1

183086

Int. Cl. : C 07 C 101/00, A 61 K 31/00.

**A PROCESS FOR PREPARATION OF "N-DERIVATIVES OF (PHENYLETHYL-OL) AMINE.**

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S. C. R. A. S.), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

**Inventor(s) :**

SERGE AUVIN,  
PIERRE BRAQUET,  
COLETTE BROQUET.

All are Citizens of France.

**Kind of Application :** Complete - Convention.

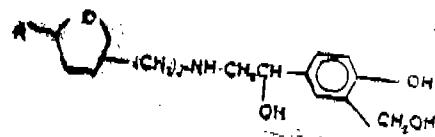
Application for Patent No. 678/Del/93 filed on 30th June, 1993.

Convention application/9215274.3/UK/17-07-92.

Appropriate Office for Opposition Proceedings Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

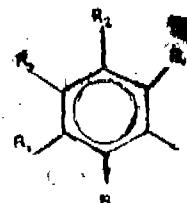
**(5 Claims)**

A process for the preparation of  $N$ -(2, 4 or 2, 5-disubstituted tetrahydrofuryl alkyl)- $N$ -(phenylethyl- $\beta$  ol) amino derivative, under a racemic or enantiomer form of general formula I :



wherein

$R$  represents a straight or branched alkyl group comprising from 1 to 10 carbon atoms; an heteraryl group, a phenyl radial or a substituted phenyl radial of the formula III.



in which the radicals  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$  independently represent a hydrogen atom, a halogen atom, an alkoxy radical comprising from 1 to 5 carbon atoms, or an alkylsulphonyl radical comprising from 1 to 5 carbon atoms;

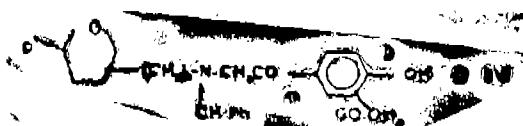
$n$  is from 1 to 10;

or pharmaceutically acceptable salts thereof, the said process comprising the following steps :

Condensation of a substituted benzylamine of general formula II :

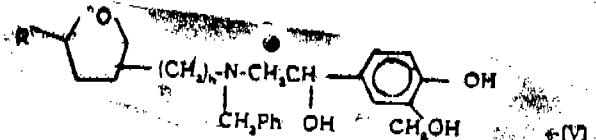


wherein  $R$  and  $n$  are as defined above with methyl 5-bromoacetyl salicylate III, in a protic solvent of the kind such as herein described or acetonitrile, in the presence of triethylamine, at a temperature of from room temperature to the boiling point of the reaction mixture, for 2 to 18 hours to obtain compound of formula IV :



wherein R and n are as defined above;

reducing compound of formula IV, under inert atmosphere, with an hydride as reducing agent, in an ethereal solvent, for 2 to 8 hours, at a temperature of from 0°C to room temperature to obtain compound of formula V :



wherein R and n are as defined above and finally, debenzylation of compound of formula V by hydrogenation in presence of an appropriate catalyst of the kind such as herein described at 2-5.5 bar, at a temperature of from room temperature to 49°C, for 10 minutes to 5 hours to obtain said amine derivative.

Agent : Remfry & Sagar.

(Compl. Specn. : 59 pages;

Drwgn : nil)

Ind. Cl. : 55 (D 2).

183087

Int. Cl. : A 01 N, 29/02.

A PROCESS FOR THE PREPARATION OF A LOWER ALKYL ESTER OF 3-(2-CHLORO-3, 3, 3-TRIFLUOROPROP-1-EN-1-YL)-2, 2-DIMETHYLCYCLOPROPANE CARBOXYLIC ACID.

Applicant : ZENECA LIMITED, A BRITISH COMPANY, OF 15 STANHOPE GATE, LONDON W1Y 6LN ENGLAND.

Inventor(s) :

1. MARTIN CHARLES BOWDEN—U.K.
2. MICHAEL DRYSDALE TURNBULL—U.K.

Kind of Application : Complete—Convention.

Application for Patent No. : 671/Del/94 filed on 27-05-94.

Convention Data : 9311054.2/U.K./28-05-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 6 Claims

A process for the preparation of a lower alkyl ester of cyclopropane carboxylic acid which comprises the steps of

(a) reacting a compound of formula :

(I)



wherein X is chloro or bromo, with a tri-lower-alkyl orthoacetate containing up to four carbon atoms in each alkyl groups in the presence of at least a catalytic amount of an acid catalyst or an active clay at a reflux temperature, whereby alcohol generated by the process can be removed from the reaction zone, for a sufficient time to obtain a compound of formula :

(II)



wherein R is an alkyl group containing up to four carbon atoms, and

(b) treating said compound of formula (ii) with at least one molar equivalent of a base to obtain said alkyl ester of 3-(2-chloro-3, 3, 3-trifluoroprop-1-en-1-yl)-2, 2-dimethylcyclopropane carboxylic acid.

Agent : Remfry & Sagar.

(Compl. Specn. : 13 pages;

Drwgs. : nil)

Ind. Cl. 32 F (2 b) 183088

Int. Cl. C 07 D, 235/28.

TITLE : "A PROCESS FOR PREPARING A 5-PYRROLYL-2-PYRIDYL, METHYLSULFINYL BENZIMIDAZOLE DERIVATIVE.

APPLICANT : IL-YANG PHARM, CO., of 24-5, Hwol-ri-dong, suntbuk-gu, Seoul, Korea Incorporated under the laws of Republic of Korea.

INVENTOR (S) : SU UNG KIM, DONG YEON KIM, GI JU CHUNG, SUNG KOL, HONG SUNGJUN PARK, SANG HOON NAM and YONG SUK LEE REPUBLIC OF KOREA.

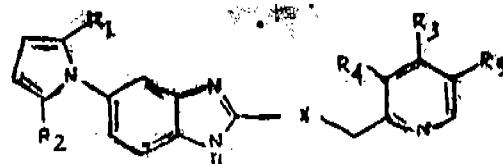
Kind of Application : Complete

Application for Patent No. 978/DEL/1994 filed on 02nd August, 1994.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A Process for preparing a 5-pyrrolyl 2-pyridylmethylsulfinyl benzimidazole derivative having the following formula (I).



or a salt thereof, in which

X represents Cl, Br or SO<sub>2</sub>, R<sub>1</sub> and R<sub>2</sub> independently from each other represent hydrogen or methyl, R<sub>3</sub> represents hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, SR<sub>4</sub>-N (R<sub>7</sub>)<sub>2</sub>, 1-piperidinyl, 4-morpholinyl, 4-methylpiperazinyl, 1-pyrrolidinyl, OR<sub>5</sub>, or -O(CH<sub>2</sub>)<sub>n</sub>-Z, wherein

R<sub>6</sub> represents C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, C<sub>1</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>4</sub> fluoromethyl, or phenyl or benzyl, each of which independently is substituted with one or more halogen or C<sub>1</sub>-C<sub>4</sub> alkyl or alkoxy optionally substituted with halogen, R<sub>7</sub> represents hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl,

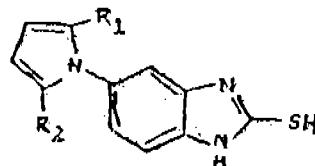
Z represents hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl,

R<sub>8</sub> represents a group -O(CH<sub>2</sub>)<sub>p</sub>-OR<sub>9</sub>, -O(CH<sub>2</sub>)<sub>q</sub>-R<sub>9</sub>, or -O(CH<sub>2</sub>)<sub>10</sub>-R<sub>10</sub>, wherein

p and q independently from each other denote an integer of 1 to 3, r and s independently from each other denote an integer of 1 to 5, R<sub>8</sub> represents hydrogen, lower alkyl, aryl or aralkyl, R<sub>9</sub> represents hydrogen, alkoxy carbonyl, acyl or heteroaryl, and R<sub>10</sub> represents hydrogen or lower alkyl,

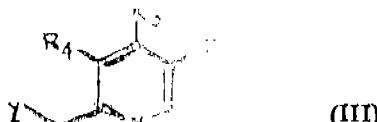
m represents an integer of 2 to 10, and

R<sub>4</sub> and R<sub>5</sub> independently from each other represent hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl, characterized in that a compound having the following formula (II) :



(II)

Wherein R<sub>1</sub> and R<sub>2</sub> are defined above, is reacted with a compound having the following formula (III) :



Wherein R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> are defined above and Y represents halogen, esterified hydroxy or acyloxy, in an organic solvent in the presence of a base at the temperature of 0° to 150°C

Agent : M/s. Kan and Krishna.

(Comn. Specn. 47 Pages

Drwg. Nil.)

Ind. Cl. : 32 F (2a).

183089

Int. Cl.<sup>4</sup> : C 07 C, 79/00.

#### A PROCESS FOR PREPARING 2-4 DISULFONYL PHENYL BUTYL NITRONE AND SALTS THEREOF.

Applicant : OKLAHOMA MEDICAL RESEARCH FOUNDATION, A RESEARCH FOUNDATION INCORPORATED UNDER THE LAWS OF OKLAHOMA, UNITED STATES OF AMERICA, OF 825 NORTHEAST 13 STREET, OKLAHOMA CITY, OKLAHOMA 73104, UNITED STATES OF AMERICA, AND UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, A RESEARCH FOUNDATION INCORPORATED UNDER THE LAWS OF KENTUCKY, UNITED STATES OF AMERICA, OF BOWMAN HALL, LEXINGTON, KENTUCKY 40506, UNITED STATES OF AMERICA.

Inventor : JOHN MICHAEL CARNEY—U.S.A.

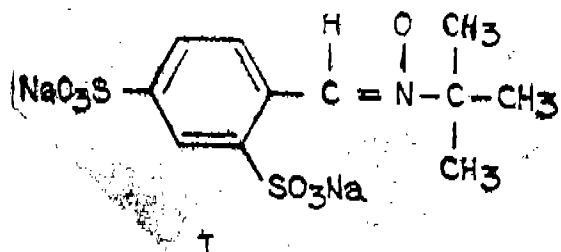
Kind of Application : Complete.

Application for Patent No. : 1004/Del/95 filed on 31st May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 5 Claims

A process for preparing the compound 2, 4-disulfonyl phenyl butyl nitrone and salts thereof comprising reacting tertiary butyl-N-hydroxylamine with 4-formyl-1, 3 benzene disulfonic acid and thereafter recovering in a conventional manner the desired compound and if desired admixing the said compound in an aqueous medium with two equivalents of the appropriate base to form the salts and thereafter recovering the salts in a conventional manner.



Agent : Remfry & Sagar.

(Compl Specn. : 37 pages;

Drwgs : 6 sheets)

Ind. Class: 32F 2(b).

183090

Int. Class<sup>4</sup>: C07D, 521/00.

#### A METHOD OF PREPARING HETEROARYL AMINES.

Applicant : PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : YUHPYNG LIANG CHEN (USA) & ARTHUR ADAM NAGEL (USA).

Kind of Application : Complete/Divisional.

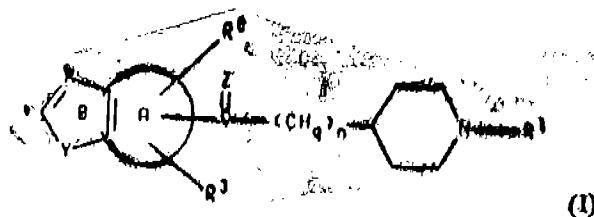
Application for Patent No. 1305/Del/95 filed on 12th July, 1995.

Divisional to Patent Application No. 780/Del/92 dated 1-9-92.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 2 claims

A method of preparing heteroaryl amines of the formula,



wherein one of R<sub>2</sub>, R<sub>3</sub> and the side chain containing —C— may optionally be attached to the carbon atom designated by an asterisk in ring B rather than to a member of ring A;

ring A is benzo, thieno, pyrrole, pyrazino, pyrimido, furano, seleno, pyrrolo, thiazolo or imidazolo;

R<sup>1</sup> is phenyl, phenyl—(C<sub>1</sub>—C<sub>6</sub>) alkyl, cinnamyl or heteroaryl-methyl, wherein the heteroaryl moiety of said heteroaryl-methyl is selected from imidazolo, thiazolo thieno, pyrido and isoxazolo, and wherein said phenyl and said heteroaryl moiety may optionally be substituted with one or two substituents independently selected from (C<sub>1</sub>—C<sub>6</sub>) alkyl, (C<sub>1</sub>—C<sub>6</sub>) alkoxy and halo;

R<sup>2</sup> and R<sup>3</sup> are independently selected from hydrogen, (C<sub>1</sub>—C<sub>6</sub>) alkoxy, (C<sub>1</sub>—C<sub>6</sub>) alkyl optionally substituted [with from one to three fluorine atoms, benzyloxy, hydroxy, phenyl, benzyl, halo, nitro, cyano, COOR<sup>4</sup>, CONHR<sup>4</sup>, NR<sup>4</sup>R<sup>5</sup>, NR<sup>4</sup>COR<sup>5</sup>, or SO<sub>p</sub>CH<sub>2</sub>-phenyl wherein p is 0, 1 or 2; or R<sup>2</sup> and R<sup>3</sup> are attached to adjacent carbon atoms and form, together with the carbons to which they are attached, a five or six membered ring wherein each atom of the ring is carbon, nitrogen or oxygen (e.g., a methylenedioxy, ethylenedioxy or lactam ring);

R<sup>4</sup> and R<sup>5</sup> are independently selected from hydrogen and (C<sub>1</sub>—C<sub>6</sub>) alkyl, or R<sup>4</sup> and R<sup>5</sup>, when part of said NR<sup>4</sup>R<sup>5</sup>, optionally form, together with the nitrogen to which they are attached, a ring containing four to eight members wherein one atom of the ring is nitrogen and the others are carbon, oxygen or nitrogen, or R<sup>4</sup> and R<sup>5</sup>, when part of said NR<sup>4</sup>COR<sup>5</sup>, optionally form, together with nitrogen and carbon to which they are attached, a four to eight membered lactam ring;

X is nitrogen or  $\text{CH}_2$ ;

Y is oxygen, sulfur or NR<sup>6</sup>

R<sup>6</sup> is hydrogen, (C<sub>1</sub>—C<sub>6</sub>) alkyl, CO (C<sub>1</sub>—C<sub>6</sub>) alkyl or SO<sub>2</sub>-phenyl wherein the phenyl moiety of said SO<sub>2</sub>-phenyl may optionally be substituted with from one to five substituents independently selected from (C<sub>1</sub>—C<sub>4</sub>) alkyl;

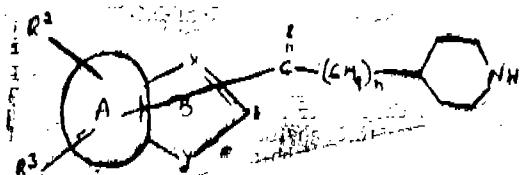
n is an integer from 1 to 4;

each q is independently 1 or 2, and

Z is oxygen

with the proviso that any CH<sub>q</sub> group wherein q is 1 must attached to one and only one other CH<sub>q</sub> group wherein q is 1 or a pharmaceutically acceptable salt of such compound comprising;

reacting a compound of formula XV



where A, B, R<sub>1</sub>, R<sub>3</sub>, x, y, z, q and n are defined above with a compound of the formula R' L, wherein L is a leaving group, with presence of base.

Agent:—Remfry & Sagar

(Compl. Specn. 42 Pages;

Drgs. Nil Sheets)

Ind. Cl. : 82

183091

Int. Cl. : A 01 K, 73/04

#### DEVICE FOR DEVELOPING FISHES IN FLOWING WATER.

Applicants: SURESH CHANDRA BHOLA, 453 NAPIER TOWN, HOWBAGH RAILWAY STATION ROAD, JABALPUR, MADHYA PRADESH, INDIA.

Application No. : 262/Bom/95 filed on June 12, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

8 Claims

A device for developing fishes in flowing water in a stream comprising at least two mesh barrier means being fixed across the width of the stream preferably at the narrow ends of the stream, the dimension of the mesh used in the said barrier means being such that it allows the trash flowing in the stream to pass through but will now allow the fishes to pass through the seeds of the fish are thrown in the flowing water between the mesh barrier and they move against the current of the flowing water and thereby develop due to exercise.

(Compl. Specn. : 7 pages;

Drwgs. : 7 sheets)

Ind. Cl. : 189, Gr [LXVI(9)]

183092

Int. Cl. : A 61 K—7/42

#### A PROCESS OF PREPARATION OF TANNING COMPOSITION FROM PTEROCARPUS SANTALINUS.

Applicant(s) : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

1. MAYARA EASWARAN NARAYANAN NAMBUDIRY.
2. ATUL DATATRAY DESHPANDE.

Patent Application with Prov. Specification No. : 354/Bom/95 filed on 11-08-95.

Complete after provisional specification filed on 08-08-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

6 Claims

A process for the preparation of the Pterocarpus Santalinus based skin tanning preparation comprising :

obtaining an alcoholic extract of said Pterocarpus Santalinus by refluxing shavings of wood/shoot of Pterocarpus Santalinus trees with an alcohol for 4—7 hours and then concentrating in vacuo, optionally the extract thus obtained is mixed with one or more amino acids in situ.

(Prov. Specn. : 12 pages;

Drgs. : Nil)

(Comp. Specn. : 12 pages;

Drgs. : Nil)

Ind. Cl. : 128 G [XIX (2)]

183093

Int. Cl. : B 30B-11/04.

#### IMPROVEMENTS IN OR RELATING TO A METHOD AND A MACHINE FOR PRODUCING FILM-ENROBED UNITARY CORE MEDICAMENT AND THE LIKE.

Applicants & Inventor : MAHARAJ KRISHEN MEHTA, INDIAN NATIONAL OF 23 MAISON BELVEDERE, 107 M. KARVE ROAD, MUMBAI-400 020, MAHARASHTRA, INDIA.

Application No. : 376/Bom/95 filed on 31-8-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

21 Claims

An improved method for producing film enrobed unitary core medicaments, such as tablets, and the like comprising.

- performing pairs of ribbons of predetermined gelatin mix, by known methods;
- passing the gelatin ribbon pairs over a pair of matching cylindrical die rolls, having cavities with raised edges on their surface;
- heating the gelatin ribbons by means of at least one heater;
- applying vacuum on the pair of gelatin ribbons as they pass over the die rolls to deform the ribbons into the cavities in the die rolls just before the leading edges of the cavities reach the nip of the pair of die rolls;
- feeding the medicament in the form of tablets from a conventional vibratory feed hopper assembly via multiple channels in a horizontal plane to guiding and orientating means through which the tablets fall operatively downwards and backwards and are angularly displaced into a horizontal position by force of gravity into pairs of cavities in the die rolls, into which portions of the pair of gelatin ribbons have been deformed as pockets;
- releasing the vacuum in the cavities to ensure that portions of the gelatin ribbons deformed into the cavities as pockets, enrobe the tablets, and separating the enrobed tablets from the gelatin ribbons by the angular displacement of the die rolls resulting in the raised edges of the cavities, punching out the enrobed tablets from the ribbons.

(Compl. Specn. : 21 pages;

Drgs. : 4 sheets)

Ind. Cl. : 32 C [IX (i)].

183094

Int. Cl. : A 23 G, 3/32.

#### A PROCESS FOR MANUFACTURING FOOD GRADE COLOURS FROM FLOWERS, TYPICALLY HIBISCUS.

Applicants : DIPTEN PUTATUNDA, AN INDIAN NATIONAL OF JADHAVJI BHAVAN, 296 BHIMANJI STREET, MATUNGA, MUMBAI-400 019, MAHARASHTRA, INDIA.

Inventor : DIPTEN PUTATUNDA.

Application No. : 378/Bom/95 filed on 31-8-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 8 Claims

1. A process for the manufacture of food colours from flowers, typically hibiscus flowers comprising the steps of removing the calyx and the androecium of half bloom flowers; washing the flowers; and storing the flowers in a pre-cleaned stainless vessel;

heating the flowers with water in a decoction chamber to at least 65 degrees to 70 degrees celsius;

preparing a 5 per cent w/v solution of an alkaline amino acid in demineralised water; adding the alkaline amino acid solution to the decoction chamber containing the flowers until the PH in the aqueous phase is 7.5 to 8;

heating the mixture in the decoction chamber till the temperature of the aqueous phase exceeds boiling point and steam is generated with pressure of at least 1.2 kg/cm.

continuing the heating process for 1 to 2 hours; cooling the solution in the decoction chamber to 20 degrees celsius and releasing the pressure; transferring the solution which is a coloured solution so obtained from the decoction chamber to a closed stainless steel vessel; adding an acidic amino acid to make the solution mildly acidic;

maintaining the acidic coloured solution under nitrogen blanketing for 5 to 6 hours for maturation at 20 degrees celsius;

#### Filtering the matured extract;

dissolving 15 per cent w/v in a polysaccharide such as, lactose and/or maltodextrin in the filtrate; spray drying the filtered mature extract in a spray drier; and sieving the dried powder so obtained from the spray drier to obtain a food colour.

(Compl. Specn. : 11 pages;

Drgs. : nil)

Int. Cl. : 146 D-3.

183095

Int. Cl. : G 01 B-9/02.

#### A HIGH ANGULAR AND SPATIAL RESOLUTION PHASE GRADIENT INTERFEROMETER.

Applicant : BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, MUMBAI-400 085, MAHARASHTRA, INDIA.

Inventor : SUNIL KUMAR HIRALAL AULUCK.

Application No. : 424/Bom/95 filed on 27-9-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 7 Claims

A high angular and spatial resolution phase gradient interferometer consisting of a housing, a stable source of collimated monochromatic light beam mounted in the housing, a partially reflecting and partially transmitting plane surface mounted in the housing at an inclination with respect to a collimated monochromatic light beam originating from the beam source, a set of optical accessories to be used with a test object of a size comparable to the diameter of the light beam, a set of optical accessories to be used with a test object of a size comparable to the diameter of the light beam, a set of magnifying optical accessories to be used with a test object of miniature size, a pair of opaque screens mounted in the housing and adapted to select one of the two sets of optical accessories at a time, a wedge prism disposed perpendicular to the light beam emerging from the partially reflecting and partially transmitting plane surface and rotatably mounted on a graduated rotary mount in the housing, the wedge prism being rotatable about an axis parallel to the Z-axis herein defined, a pair of fine gratings

mounted in the housing disposed in the plane of X-axis and Y-axis defined herein and adapted to be adjustable with respect to the Y-axis and symmetrically placed about the reference point O herein defined such that the light beam emerging from the wedge prism is incident normally on one of the fine gratings, the rulings of fine one grating making a positive angle with respect to the Y-axis and the rulings of the other fine grating making a negative angle with respect to the Y-axis, the fine grating being such that the angle of diffraction of light beam normally incident thereon is larger than its sine by a factor greater than 1.1, a first pair of plane reflecting surfaces mounted in the housing disposed at right angles to each other such that the plane bisecting the right angle passes through the reference point O and makes a positive angle equal to the angle of diffraction with the Z-axis, a second pair of plane reflecting surfaces mounted in the housing disposed at right angles to each other such that the plane bisecting the right angle passes through reference point O and makes a negative angle equal to the angle of diffraction with the Z-axis, the perpendicular distance of the line in which the first pair of reflecting surfaces intersect from the reference point O and the perpendicular distance of the line in which the second pair of reflecting surfaces intersect from the reference point O are equal, a viewing screen with or without a grid marked on it mounted in the housing parallel to the other fine grating and a third pair of plane reflecting surfaces mounted in the housing such that the light beam incident on the one grating and travelling further in the same direction is reflected by the third pair of plane reflecting surfaces on to the viewing screen.

(Compl. Specn. : 29 pages;

Drgs. : 2 sheets)

Ind. Cl. : 55 F [XIX(1)]

183096

Int. Cl. : A 61 K, 9/16.

#### A PROCESS FOR MAKING AGGLOMERATES FOR USE AS OR IN A DRUG DELIVERY SYSTEM.

Applicants : BHARTI VIDYAPEETH, AN INDIAN INSTITUTE BEING A PUBLIC CHARITABLE TRUST OF BHARTI BHAVAN, LAL BHADUR SHASTRI MARQ., PUNE-411 030 MAHARASHTRA, INDIA.

#### Inventors :

1. SHIVAJIRAO SHRIPATRAO KADAM.
2. KAKASAHEB RAMOO MADADIK.
3. ANANT RAGHUNATH PARADKAR.

Application No. 88/Bom/97 dated 14-2-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

#### 15 Claims

A process for making agglomerates of two or more active ingredients for use as or in a drug delivery system comprising the following steps :

preparing at least one mixture A by dissolving a predetermined quantity of at least one hydrophilic and/or hydrophobic polymer in a solvent having a predetermined PH between 1 to 14 in the presence or absence of at least one drug dissolved or suspended therein at a temperature ranging from 5 degrees to 80 degrees celsius;

preparing a mixture B containing predetermined quantity of at least one bridging liquid immiscible in water with a predetermined quantity of at least one hydrophilic and/or hydrophobic polymer at predetermined PH between 1 to 14 at a predetermined temperature in the presence or absence of at least one drug dissolved or suspended therein at a predetermined temperature; adding mixture B to a reaction vessel with continuous agitation for a time ranging between 15 minutes to 2 hours at a temperature ranging from 5 degree to 45 degree celsius;

adding the one or more Mixtures A to the reaction vessel at predetermined controlled rate and predetermined temperature to obtain crystallo-co-agglomerates of the drugs and polymer/s;

filtering the resultant mixture; and

drying the residue to obtain the crystallo-co-agglomerates.

(Prov. Specn. 28 pages;

Drawings. 2 sheets)

(Compl. Specn. 34 pages;

Drawing. 1 sheet)

Ind. Cl. : 55 E 4

183097

Int. Cl. : A 61 K 35/66

THE PROCESS FOR THE PREPARATION OF A STABLE FIXED DOSE PHARMACEUTICAL COMPOSITION OF ANTI INFECTIVE AGENT/AGENTS AND MICRO ORGANISMS AS ACTIVE INGREDIENTS.

Applicants :

1. DR. RAJIV INDRAVADAN MODI, "KAKA-BA", 13, SANJEEV BAUG SOCIETY, NEW SHARDA MANDIR ROAD, AHMEDABAD-380007, GUJARAT INDIA.
2. MR. YATISH KUMAR BANSAL, B/5, KINJAL APT, NEAR PARIMAL HOSPITAL MANINAGAR, AHMEDABAD-380008, GUJARAT, INDIA.
3. DR. BAKULESH MAFATLAL KHAMAR, 201, ASHADHA VASUNDHARA COLONY, GULBAI TEKRA, AHMEDABAD-380006, GUJARAT, INDIA.

Inventors :

—IDE—

Application No. 174/Bom/97 dated 27-3-97.

Complete after Provisional filed on 19-3-98.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

#### 16 Claims

1. A Process to provide a stable fixed dose oral pharmaceutical composition, composed of anti-infective agent(s) and micro organisms as active ingredients as herein described with their different respective sets of properties, comprises admixing separately anti-infective agent and organisms with physiologically acceptable excipients as herein described of which atleast one is coated, which when taken together as in this invention in a single composition such as a capsule/tablet/liquid preparation made according to a conventional process, result in a composition producing a set of effects complementary to each other, and remaining stable over a period of 3-36 months.

Prov. Specn. 3 Pages;

Drugs. Nil

(Compl. Specn. 28 Pages;

Drugs. Nil)

Ind. Cl. : 55 [XIX (II)]

183098

55 E 4-E

Int. Cl. : A 61K 7/48, 9/70, 31/60

A 61L 15/03

#### A METHOD OF MANUFACTURING DRUG DELIVERY DEVICE.

Applicants : LAVIPHARM S.A. OF AGIAS MARINA, P. O. BOX 59, PEANIA 19002, ATTICA, GREECE, GREEK COMPANY.

Inventors : —IDE—

Application No. 369/Bom/97 filed on 19-6-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

#### 19 Claims

1. A Method of Manufacturing Anti-acne Drug Delivery Device consisting of following steps :

- (i) Preparing a synergistic composition comprises :—
- one or more keratolytic agent(s), each in an amount of 0.1 to 10.0% w/w, preferably of 0.1 to 2.0% w/w and more preferably of 0.6% w/w;
- one or more anti-irritant agent(s), each in an amount of 0.01 to 5.0% w/w, preferably of 0.01 to 3.0% w/w and more preferably of 1.0% w/w;
- one or more antiseptic agent(s), each in an amount of 0.05 to 2.0% w/w, preferably of 0.1 to 1.0% w/w and more preferably of 0.3% w/w; and
- one or more solubilizer(s), each in an amount of 0.1 to 5% w/w, preferably of 1 to 3.0% w/w and more preferably of 2% w/w;

based of the total weight of the carrier.

- (ii) blending a synthetic pressure sensitive adhesive as a carrier or associated with a carrier;
- (iii) mixing a single adhesive or a mixture of adhesives with an anti-acne synergistic composition of step 1 so as to form a blend; and,
- (iv) laminating the blend on a first side with a release liner and on the second side with a backing film.

(Compl. Specn. 35 Pages;

Drugs. 4 Sheets)

Ind. Cl. : 32 F<sub>2</sub>(b).Gr. [IX(1)] &

183099

55 E 4, Gr [XIX(1)]

Int. Cl. : C 07D—495/04

A PROCESS FOR THE PREPARATION OF THE ANTITHROMBOTIC AGENT 5-(2-CHLOROBENZYL)-4, 5, 6, 7-TETRAHYDROTHIENO (3, 2-C) PHRIDINE (TICLOPIDINE) AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF.

Applicants : SEARLE (INDIA) LIMITED HAVING REGD OFFICE AT 21 D, SUKHADVALA MARG, MUMBAI-400001, MAHARASHTRA, INDIA AN INDIAN COMPANY.

Inventors :

1. DR. KRISHNA KUMAR MAHESHWARI.
2. DR TARUR VENKATASUBRAMANIAN RADHAKRISHNAN
3. DR. RANJAN PRASAD SRIVASTAVA.

Patent Application No. 563/Bom/97 Filed on 26-09-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

#### 14 Claims

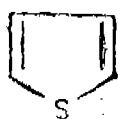
A process for the preparation of the antithrombotic agent 5-(2-chlorobenzyl)-4, 5, 6, 7-Tetrahydrothieno (3, 2-c) pyridine (Ticlopidine) of the formula I :



Formula I

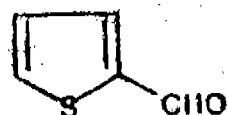
and pharmaceutically acceptable acid addition salts thereof which consists of :

(i) reacting thiophene of the formula II :



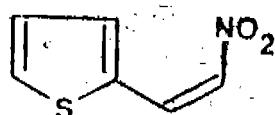
Formula II

with phosphorous oxychloride in the presence of N,N-dimethylformamide at 0 to 90°C and isolating the thiophene-2-carboxaldehyde of the formula III :



Formula III

(ii) reacting the thiophene-2-carboxaldehyde of the formula III with an aqueous base in the presence of methanol-nitrobenzene at 0 to 10°C and isolating the 2'(2-nitrovinyl) thiophene of formula IV :



Formula IV

(iii) reducing the 2'(2-nitrovinyl) thiophene of the formula IV with sodium dihydrobis-(2-methoxyethoxy) aluminum in a solvent at 0 to 100°C;

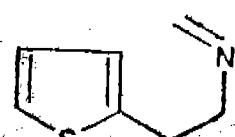
(iv) reacting the 2-(2-thienyl) ethylamine of the formula V :



Formula V

contained in the resulting reaction mixture with paraformaldehyde at 90 to 110°C;

(v) reacting the formimine of 2-(2-thienyl) ethylamine of the formula VI :



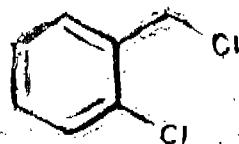
Formula VI

contained in the resulting reaction mixture with hydrochloric acid at 25 to 35°C and isolating the 4, 5, 6, 7-tetrahydrothieno(3, 2-c) pyridine of the formula VII :



Formula VII

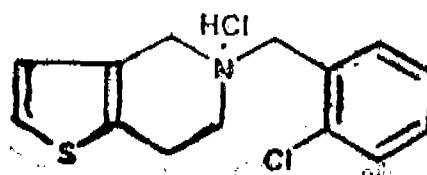
(vi) reacting the 4, 5, 6, 7-tetrahydrothieno(3, 2-c) pyridine of the formula VII with 2-chlorobenzyl chloride of the formula VIII :



Formula VIII

in the presence of a mild base and catalytic amount of metal iodide in an inert solvent at 80–100°C and isolating the 5-(2-chlorobenzyl)-4, 5, 6, 7-tetrahydrothieno(3, 2-c) pyridine I.

(vii) and if desired treating the 5-(2-chlorobenzyl)-4, 5, 6, 7-tetrahydrothieno(3, 2-c) pyridine of the formula I with anhydrous hydrochloric acid in an ether to obtain the 5-(2-dichlorobenzyl)-4, 5, 6, 7-tetrahydrothieno(3, 2-c) pyridine hydrochloride of the formula IX :



Formula IX

Complete Specification :—21 pages Drawing Nil

Ind. Cl. : 554 [XIX(1)]

183100

Int. Cl. : A 61 K-37/64

A PROCESS FOR THE ISOLATION OF NEW GLUCOSE-6-PHOSPHATE TRANSLOCASE INHIBITORS 4'-O-METHYLELLAGIC ACID 14-O-POTASSIUM SULFATE AND 4'-O-METHYLELLAGIC ACID 3-O-POTASSIUM SULFATE FROM THE PLANTS BELONGING TO THE ELEOCARPACEAE FAMILY PARTICULARLY ELAECARPUS ARISTATUS AND THEIR PHARMACEUTICALLY ACCEPTABLE SALTS AND DERIVATIVES.

Applicants : HOECHST MARION ROUSSEL LIMITED, AT HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, MUMBAI-400021, MAHARASHTRA, INDIA.

Inventors :

- (1) DR. KESHAVAPURA HOSAMANE SREEDHARA SWAMY.
- (2) DR. TRIPTIKUMAR MUKHOPADHYAY.
- (3) DR.ERRA KOTESWARA SATYA VIJYA KUMAR.
- (4) DR. RAVI GAJANAN BHAT.
- (5) DR. BAHADUR SINGH KALAKOTI.
- (6) MRS. ARUNA BALGI.

Application No. 89/Bom/98 dated 20-2-98.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

4 Claims

A process for the isolation of new glucose-6-phosphate translocase inhibitors 4'-0-methylellagic acid-4-O-potassium sulfate and 4'-0-methylellagic acid-3-O-potassium sulfate of the formulae 1 and 2 of the accompanying drawings respectively from plants belonging to the Elaeocarpaceae family, particularly *Elaeocarpus aristatus* and their pharmaceutically acceptable salts and derivatives, the said process consisting of extracting the plant material with an organic solvent in the ratio 1 : 2 to 1 : 10 parts by weight of the plant material to the organic solvent at a pH 5-8 and recovering the compounds of the formulae 1 and 2 from the solvent extract and if desired converting the compounds of the formulae 1 and 2 into pharmaceutically acceptable salts and derivatives thereof.

Compl. Specn. 15 Pages;

Drgs. 3 Sheets

Ind. Cl. : 190 B

183102

Int. Cl.<sup>4</sup> : F 01 D 5/12, 5/28

#### A PROCESS FOR PRODUCING A TURBINE BLADE.

Applicant : ASEA BROWN BOVERI LTD., BADEN, SWITZERLAND, A SWISS COMPANY.

Inventors :

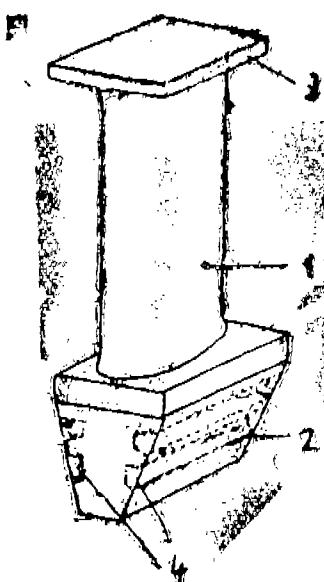
1. DR. MOHAMED NAZMY.
2. MARKUS STAUBLI.

Application No. 282/Mas/92 filed on 12 May, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A process for producing a Turbine blade containing a casting having a blade leaf (1) and a blade foot (2) and composed of an alloy based on a dopant-containing gamma-titanium aluminide, said process comprising the steps off : melting the alloy, pouring of the melt to form a casting in the form of the turbine blade, hot-isostatic pressing of the casting, the hot-isostatically pressed casting corresponding to the blade foot (2) is subjected to isothermal hot forming at least once to form a material of fine-grained structure and with a higher ductility, than the material contained in the blade leaf (1), heat treating the part of the hot-isostatically pressed casting corresponding to the blade leaf (1) before or after the isothermal hot forming to form a material of coarse-grained structure and with a texture resulting in high tensile and creep strength, and removing material by machining the hot-isostatically pressed, hot-formed and heat-treated casting to obtain the turbine blade.



Agent : M/s. De Penning & De Penning.  
(Compl. Specn. 15 Pages;

Drg. 1 Sheet)

Ind. Cl. : 165 C

183102

Int. Cl.<sup>4</sup> : D 05 B 1/00

#### AN INDUSTRIAL SEWING MACHINE.

Applicant : MACPI S.p.A.—PRESSING DIVISION OF VIA PIANTADA, 9/D 25036—PALAZZOLO SULL' OGLIO (BRESCIA) ITALY, AN ITALIAN COMPANY.

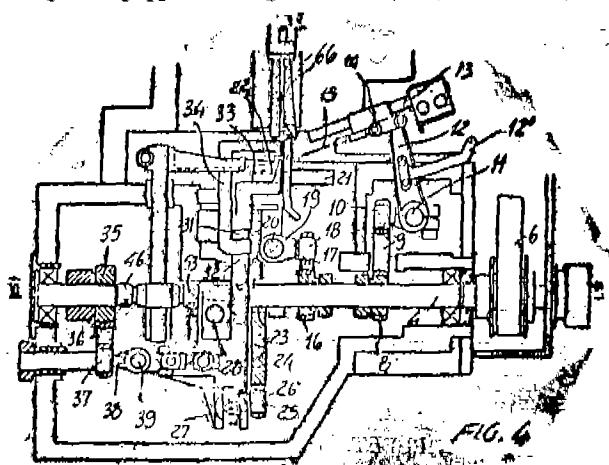
Inventor : (1) CARTABBIA GIOVANNI.

Application No. 316/Mas/92 filed on 26th May 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

An industrial sewing machine comprising a supporting frame supporting a main driving shaft (1) rotatively driving two rotary driven shafts (4, 5), cam means supported on one of said driven shafts and driving in a horizontal plane through mechanical operating means, a horizontal needle bar (13), said cam means further driving fabric transporting grippers and hook elements the other of said driven shafts driving a vertical needle bar, said vertical needle bar being displaced in a vertical plane and located downstream with respect to said horizontal needle bar, said horizontal and vertical needle bars being spaced from one another to make two simultaneous seaming lines, said cam means having a first cam member (8), a second cam member (16), and a third cam member (23), said first cam member (8) through a first connecting rod (9) a first ball joint (10) and a first swinging pivot pin sleeve (11) operating a first lever (12) for controlling said horizontal needle bar (13), said second cam member (16) through a second connecting rod (17), a second ball joint (18) and a second swinging pivot pin (20) and sleeve (19) driving a trimming knife (21) supported on a trimming knife supporting arm (21), said third cam member (23) through a third connecting rod (24), a third ball joint (25) and a sleeve (26), driving a first swinging pivot pin (27) which, through a second lever (27), in turn drives a second swinging pivot pin (28), said first and second pivot pins bearing a fourth and fifth cam member synchronously driving two gripper bearing slides (31, 32).



Agent : M/s. De Penning & De Penning.

(Compl. Specn. 14 Pages;

Drgs. 8 Sheets)

Ind. Cl. : 129 K

183103

Int. Cl.<sup>4</sup> : F 16 L 15/00

#### AN AUTOMATIC IN-LINE THREADING MACHINE FOR MAKING EXTERNAL THREADS ON PIPES.

Applicant : MR. MANADATH ABDULHAMEED HASEEB, AN INDIAN CITIZEN, DIRECTOR OF HINTANIA PLASTICS P. LTD., SREYAS, THOTTUMU-GHOM, ALWAYE-683105, KERALA STATE, INDIA.

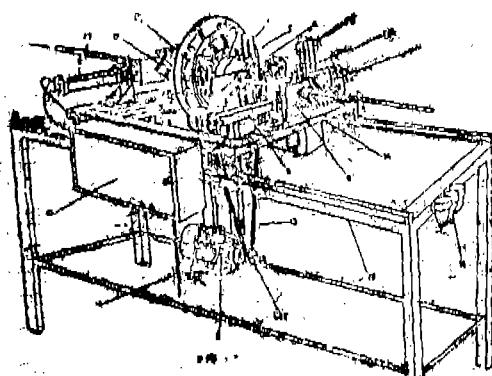
Inventor : MR. MANADATH ABDULHAMEED HASEEB.

Application No. 327/Mas/92 filed on 29th May, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

An automatic in-line threading machine for making external threads on pipes comprising a spindle and lead nut assembly moulded on a movable carriage (14), placed on a frame (15), the said spindle and lead nut assembly consisting of a hollow spindle (1) with threads, a lead nut (2) matching the threads on the said spindle (1), a moving arm (17) pivotally mounted on the said lead nut (2), said moving arm being provided with a tool holder (4) on its inner end for holding a cutting tool (20) and a weight (21) on its outer end for providing cutting pressure on the tool (20), a counter-weight (22) attached on the lead nut diametrically opposite to the pivot point of the said moving arm (17), at least one jaw assembly with a movable jaw (8) and fixed jaw (7) for holding the pipe (23), the said movable jaw (8) being movable perpendicular to the length of the pipe (23) on the said moving carriage (14), a guide support (6) fixed to the lead nut (2) opposite and facing the tool (20) for supporting and guiding the pipe and a drive means (11, 12, 13) for rotating the said lead nut (2).



Agent : M/s. De Penning & De Penning.

Compl. Specn. 8 Pages;

Drgs. 3 Sheets

Ind. Cl. : 107 G

183104

Int. Cl. : F 23 R 3/00

#### A BURNER FOR COMBUSTION OF A FUEL.

Applicant : ASEA BROWN BOVERI LTD. BADEN, SWITZERLAND. A SWISS COMPANY.

##### Inventors :

1. HANS PETER KNOPFEL.
2. EMIL KUHN.
3. HANS PETER.
4. CLAUDE PELET.

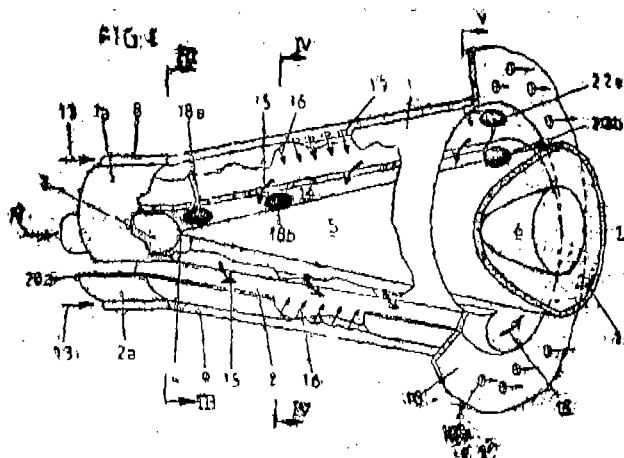
Application No. 366/Mas/92 filed on 16th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 5 Claims

A burner for combustion of a fuel comprising, at least two hollow conical partial bodies positioned one upon the other in the flow direction to form a hollow conical space, the longitudinal axes of symmetry of said partial bodies extending radially offset relative to one another to form tangential air inlet slots with opposite flow directions for producing a tangential combustion air flow, at least one nozzle for injecting a fuel being placed in the hollow conical space formed by the conical partial bodies, the conical partial bodies being supplemented with corresponding means for introducing a further fuel in the region of the tangential air inlet slots, and electrodes ends of ignition electrodes are placed in the

hollow conical space at a location with low combustion air flow velocity.



Agent : M/s. De Penning & De Penning.

Compl. Specn. 14 Pages;

Drgs. 3 Sheets

183105

Ind. Cl. : 144 E 2

Int. Cl. : C 09 B 61/00

#### A PROCESS FOR PRODUCING A COLOURING AGENT.

Applicant : CPC INTERNATIONAL INC., INCORPORATED IN THE STATE OF DELAWARE, U.S.A. OF P.O. BOX 8000, INTERNATIONAL PLAZA, ENGLEWOOD CLIFFS, NEW JERSEY 07632, UNITED STATES OF AMERICA.

##### Inventors :

- (1) JOHN CHARLES HOBSON.
- (2) REDERICK NORMAN GREENSHIELDS.

Application No. 253/Mas/93 filed on 08th April 1993.

(Convention No. 9208371.6 on 16-04-92 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 8 Claims

A process for producing a colouring agent comprising the steps of (i) providing an aqueous mixture of atleast one colour source and yeast cell ghosts having a proportion of substantially intact yeast cell walls; (ii) separating insoluble solids from the mixture in a known manner and; (iii) drying the insoluble solids to obtain the colouring agent.

Ref. cited : US Patent No. 4810646 & 4962094

Agent : M/s. De Penning & De Penning.

Compl. Specn. 17 Pages;

Drg. Nil Sheet

183106

Ind. Cl. : 4 A,

Int. Cl. : B 64 C 37/02

B 64 D 5/00

#### A COMPOSITE AIRCRAFT.

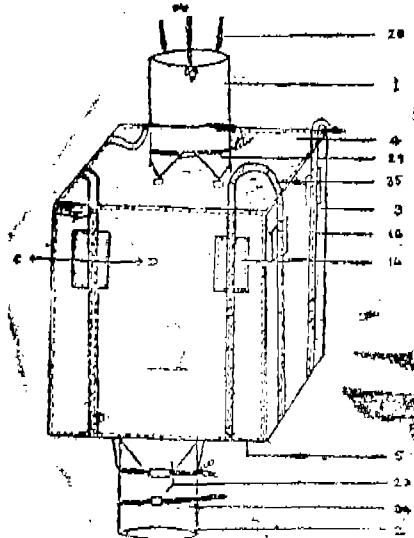
Applicant : BRITISH AEROSPACE PUBLIC LIMITED COMPANY, OF WARWICK HOUSE, P O BOX 87, FARNBOROUGH AEROSPACE CENTRE, FARNBOROUGH, HAMPSHIRE, GU14 6YU, GREAT BRITAIN; A BRITISH COMPANY.

Inventor : (1) PAUL MILNER.



## 7 Claims

A Reusable Flexible Intermediate bulk container for storage and transportation of bulk materials and recycle for several times, comprises a main square shaped body, formed by plurality of panels (3) and top (4) and bottom (5) panels of flexible fabrics wherein the top and bottom panels having central openings, surrounded with tubular fabrics (1 & 2) and the container also having a plurality of lifting loops (35) located at four cross corners.



Compl. Specn. 8 Pages;

Drwgs. 7 Sheets

Ind. Cl. : 69 N, O 183109

Int. Cl. : H 01 H 9/02.

**MULTIPOLE CIRCUIT BREAKER WITH MODULAR ASSEMBLY.**

Applicant : SCHNEIDER ELECTRIC S A, A FRENCH COMPANY OF 40 AVENUE ANDRE MORIZET, F 92100 BOULOGNE BILLANCOURT, FRANCE.

Inventors : JEAN-LUC PAYET-BURIN.

Application No. 203/Mas/94 filed on 22nd March 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 07 Claims

A multipole circuit breaker with molded insulating case comprising :

— a base plate (88) subdivided by spacers (94), (95) into several juxtaposed compartments (96), (98), (100) for housing the different poles, each pole comprising a breaking module (14) with separable contacts (34), (36), (24) and a trip module (46), (46a),

— a cover (90) fixed onto the base plate (88) to close the case (12),

— an operating mechanism (60), mounted between a pair of support plates (66), (68), and having a toggle device (62) associated with a connecting spring (72), and with a tripping hook (70),

— a handle (64) coupled to the mechanism (60), and passing through an aperture (65) of the cover (90) to be accessible from outside,

— a switching bar (82) made of insulating material acting as support for the movable contacts (24) of all the poles, said bar mechanically coupled to the toggle device (62) being mounted with limited rotation the closed position and the open position of the contacts,

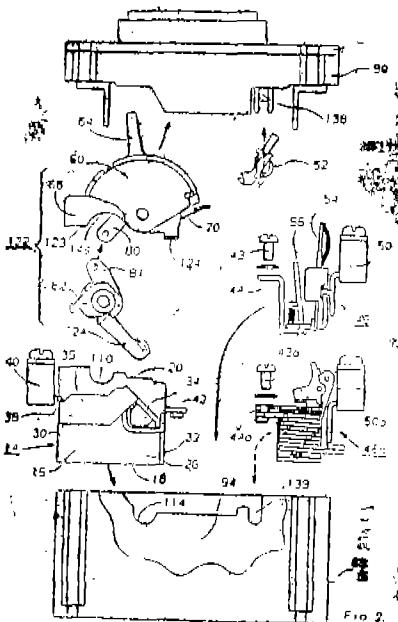
— a trip bar (52) cooperating with the trip modules (46), (46a) of the poles, and with a latch (58) of the tripping hook (70), characterized in that,

— each breaking module (14) is formed by a parallelepipedic monoblock cartridge (16) made of plastic material, housed in the corresponding compartment (96), (98), (100) of the base plate (88), said cartridge housing at least a stationary contact (34), (36) an arc extinguishing chamber (84), and a pair of connecting strips (38), (42), for connection to a terminal (40) and to the trip module (46) of the same pole,

— a mechanical actuation module (122) constituted by the switching bar (82) and mechanism (60) assembly, is securedly united to the cover (90),

— the rotary trip bar (52) is supported by clipping means (138), (140) arranged on the bottom face of the cover (90),

— and a plurality of recesses (114), (116) and cutouts (139), (141) arranged in the spacers (94), (95) of the base plate (88) to act as first bearing surfaces respectively for the switching bar (82) and trip bar (52) when the first sub-assembly A composed of the base plate (88) with the set of breaking modules (14) and trip modules (46), (46a) is adjoined with the second sub-assembly B formed by the cover (90) on which the mechanical actuation module (122) are fitted.



Agents : M/s. De Penning &amp; De Penning.

(Com. Specn. : 15 Pages;

Drwgs. : 05 Sheets)

Ind. Cl. : 8, 89 183110

Int. Cl. : G 08 B 17/00

**SMOKE SIMULATION DEVICE FOR SCATTERED-LIGHT SMOKE DETECTORS.**

Applicant : SIEMENS BUILDING TECHNOLOGIES AG, A SWISS COMPANY OF BELLERIVESTRASSE 36, 8008 ZURICH, SWITZERLAND.

Inventors :

- (1) HANS PETER SCHAPPI.
- (2) ARTHUR HIDBER.

Application No. 343/Mas/94 filed on 27th April 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 99 Claims

Smoke simulation device for scattered-light smoke detectors which have a light source, a test volume illuminated by the latter and a sensor for measuring the scattered light generated in the test volume, characterised by a transparent body (5.5') which is introduced into the test volume (3) and in which scattering centres (6.6') for the incident light are enclosed.

Reference to :

GB-A-2251067

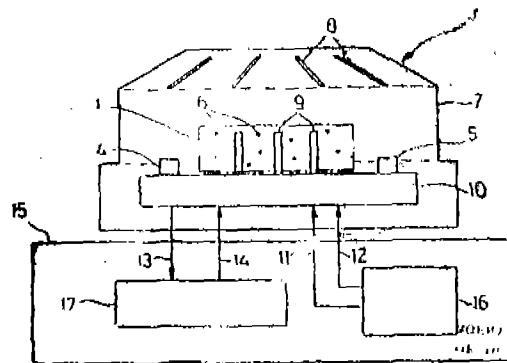
DE-G-8524914

JP-53-99899

GB-1079929

US-3585621

US-4099178



Agents : M/s. De Penning & De Penning.

Com. Specn. : 14 Pages:

Drawg. 1 Sheet)

## RESTORATION PROCEEDING

Notice is hereby given that an application for restoration of Patent No. 177334 dated 1st February, 1991 made by Samsung Electron devices Co. Ltd. on the 8th October, 1998 and notified in the Gazette of India Part III, Section 2 dated 13-02-1999 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 172922 dated 31-8-1989 made by Fina Technology Inc. on the 29th April, 1997 and notified in the Gazette of India Part-III, Section-2 dated 28-06-1997 has been allowed and the said Patent restored.

PATENT SEALED ON 06-08-99.

181276 181562 181737 181739 181744 181746 181751 181758  
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 181883\* 181887 181888 181889\* 181890 181895 181896  
 181897\*D 181898\*D 181899 181900 181901 181902.

CAL - 41, DEL - 04, MUM - 26, CHEN - 27.

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT UNDER Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents

F Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two Years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 174312, Gtech Corporation of 55, Technology way, West Greenwich, Rhode Island 02817, U.S.A., a Delaware corporation, "GAMING TERMINAL", 17th July 1997.

Class 1 No. 174326, Titan Industries Ltd., an Indian company registered under the Companies Act, 1956 whose address is Golden Enclave, Tower A, Airport Road, Bangalore-560017, Karnataka, India, "WATCH", 17th July 1997.

Class 1. No. 174336, Hawkins Cookers Limited, Maker Tower, F 101 Cuffe Parade, Mumbai-400005, Maharashtra, India, an Indian Company, "PAN WITH LID", 21st July 1997.

Class 3. No. 174665, Rama Krishna Moulders at 5211 Kolhapur Road, Kolhapur House, Delhi-110007, a proprietorship concern whose proprietor is Vipin Gupta, an Indian National of the above address, "SLIP RACK", 5th September 1997.

Class 3. No. 174666, Rama Krishna Moulders at 5211 Kolhapur Road, Kolhapur House, Delhi-110007, a proprietorship concern whose proprietor is Vipin Gupta, an Indian national of the above address, "MAGNETIC PINUP", 5th September 1997.

Class 3. No. 174667, Rama Krishna Moulders at 5211 Kolhapur Road, Kolhapur House, Delhi-110007, a proprietorship concern whose proprietor is Vipin Gupta, an Indian national of the above address, "PEN STAND CUM CLIP RACK", 5th September 1997.

Class 3. No. 174668, Rama Krishna Moulders at 5211 Kolhapur Road, Kolhapur House, Delhi-110007, a proprietorship concern whose proprietor is Vipin Gupta, an Indian national of the above address, "ASH TRAY", 5th September 1997.

Class 10. Nos. 174327 to 174330, Nikhil Footwear Ltd., an Indian company incorporated under the Indian Companies Act, G-11, Udyog Nagar, Delhi, India, "SOLE OF FOOTWEAR", 17th July 1997.

Class 1. No. 174337, Hawkins Cookers Limited, Maker Tower, 101 Cuffe Parade, Mumbai-400005, Maharashtra, India, an Indian Company, "PAN WITHOUT LID", 21st July 1997.

Class 1. No. 174958, Electrolab, an Indian partnership firm having office address at 7, Concord Industrial Estate, 2nd floor, 4, Shivaji Colony, Opp. Guru Nanak Patel Pump, Andheri Kurla Road, Andheri (E), Mumbai-400099, Maharashtra, India, "AUTOMATED FRIBILATOR", 5th November 1997.

A. E. AHMED  
 Controller General of Patents Designs & Trademarks

पत्रधनक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा प्रकृति

एवं प्रकाशन नियंत्रक, बिल्ली द्वारा प्रकाशित, 1999

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